# AMERICAN

# RAILROAD JOURNAL.

STEAM NAVIGATION, COMMERCE, FINANCE,

INSURANCE, BANKING, MINING, MANUFACTURES.

HENRY V. POOR, Editor.

SATURDAY, FEBRUARY 12, 1859.

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NEW-YORK:

PUBLISHED WEEKLY, BY

JOHN H. SCHULTZ & CO.

Front Room, Third Floor,

No. 9 Spruce Street.

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SATURDAY, FEBRUARY 12, 1859.

[WHOLE No. 1,191, VOL. XXXII.

MESSRS. ALGAR & STREET, No. 11 Clements Lane, terest in the success of the road. We do not want reduction. There must be great waste or great Lombard Street, London, are the authorised European Agents for the Journal.

#### PRINCIPAL CONTENTS.

#### American Railroad Journal.

PUBLISHED BY J. H. SCHULTZ & CO. No. 9 SPRUCE ST.

New York, Saturday, February 12, 1859.

#### Railroad Management .-- New York and Erie Railroad.

(The following communication is from the same pen as the article in our last week's issue, upon a similar subject.)

The whole country has a deep stake in the successful management of railroads. We all want the trade of the West through our railroads to our that great road. Personal considerations are of city. While this is accomplished, we also desire that the railroads themselves should be profitable and self-sustaining. This can only be accomplished by economy of management. If the owners of railroads manage them by the constant application of personal care, they will be just as successful as they are by the application of such care in any and every other business. We see it daily stated that there are four great lines of railroad to the West, and that they are competing for the same business. Honest and right-minded men, when engaged in sharp competition for a common business, endeavor to reach success by transacting their respective shares of such business with the strictest good faith, and the most rigid economy. In this way success is insured. The same rules They will govern them, if such men have a real in- reduction of expenses; not a moderate, but a large value, and command a corresponding price.

to have railroad managers reduce fares and freights fatal than this.

The Erie Railroad has shown that its receipts are over five million of dollars a year, and yet with such receipts it cannot pay interest on its debt. Its capital is gone. It should show a yearly net income of two millions and a quarter of dollars. It would show this, if it was managed as have taken up the time of its managers; or they have set themselves down here in the city of New York, and attempted to manage it by a set of ab stractions; by issuing circulars; by the theories of a single mind. This will never be successful A great deal more practical, thoughtful counsel is required. Such an addition would at once take an interest with the operatives on the road; would enter into their feelings, and thereby soon engage all their interests and exertions in a common effort to redeem the road from its embarrassment; to produce economy in every department; in short, to make it thrifty. Exactly the opposite must be the feelings of the men now. This is a matter in which not merely the stock and bondholders of the Erie Railroad are concerned. The whole railroad interest will be advanced by the success of no sort of consequence. Unfitness, the moment it is obvious, should be noticed; and when such sad results as the last report of the Company shows, are considered, it is the right and duty of all men to speak. The President's salary would pay six men for passing most of their time on the line of the road, and would soon enable them to become acquainted with the value of every service rendered upon it. It would lead them to become acquainted with all the men upon it; to consult with them, and to obtain their views and opinions. It is in every railroad man's experience that the most valuable suggestions are thus obtained. When these are properly appreciated, those who offer them will be stimulated to exertion, and the result will be a general improvement. We repeat, that

unfaithfulness somewhere. Five millions of dol--now too low-and in that way destroy the value lars earned and received in one year for freight of the railroad property. Nothing can be more and fare, is an enormous receipt. It is enough, if the affairs of the Company are well conducted, to make every creditor satisfied, and every stockholder of the concern hopeful. It is not increased receipts, not the sale of lots, not the borrowing of money, not cutting off a few editors, not requiring passengers' names, not openly setting the public to watch their conductors, that is wanted, but real property ought to be. That line has always suf- genuine acquaintance with every locality upon the fered. There have been collateral objects, that road; a patient and careful examination as to its business; a respect for the views of the inhabita its on the line; acquaintance with all the agents employed upon the road; a consultation with them; an intimate knowledge of the manner in which their respective service is rendered; whether it is grudgingly or freely rendered; whether the condition of any could be made more comfortable by an enquiry into their cases and such attention to them, as the man who is well served always cheerfully bestows. Ten thousand little things of this character, which cost nothing, and go so far to conciliate and produce so much better results than crabbed and silly orders, and a dictatorial rule. We may rely upon it, that there will never be an increase in net receipts until there is strict, and faithful, and conciliating care exercised over the expenses, and they be brought down to reasonable limits.

In these suggestions we have but one hope, one end, and one earnest wish, and that is, that the Erie Railroad, as a property, may be improved. It is a great work. In its origin, and process to completion, there was manifested an earnestness of purpose, and an energy of action, that commanded respect. Now that it is finished, and one among the most prominent of this greatest of modern improvements, there must be rothing to impede its usefulness, or impair its value. Its managers must feel that they have a mission far higher than to be conducting a system of espionage upon other lines, and bring the public with complaints against one line for one thing, and another for something else. They must be sure to do their own business well by the public, and the property should govern men in the management of railroads. the reform most needed on the Eric Railroad is a committed to their trust will reach its highest

00

Wilmington and Manchester Railroad.

The eleventh annual meeting of the stockholders in this road was held at Wilmington, N. C., traveler through tickets at the same price as by Nov. 18th. The reports of the President, Superintendent, Treasurer, etc., giving a detailed history of the operations of the road for the fiscal year ending Sept. 30th, were presented and adopted. The receipts were:

From	through travel	 \$139.813 7	4
	way		
	up freights		
84	down "	 85,641 6	9
**	mails	 42,750 0	0
			-

				_
			\$382,191	74
The expenditures were:				
Repairs of track \$7	1,300	12		
	1,595			
" engines 3	9,610	67		
	2,882	83		
	0,829			
	8,876	49		
	5,174	51		
Enginemen, firemen, con-	40			
	3,375	52		
	8,572	99		
	8,734	99		
Paid S. C. R. R. Co	5,551	97		
	1,887			
Lost and damaged goods,	,			
	5,479	13		
	3,870	82	7	
Applicable to previous year 4	4,105	12		
ing and survey to the party		-	209,765	70
			\$172,426	04
Accounts outstanding this ye	ar		13,301	
9				-

Net revenue ......\$159,124 25 Included in the cost of repairs of engines and cars are: one new engine, \$9,000; and 10 freight and 2 mail cars built in the company's shops, \$1,-700. Five passenger cars have also been rebuilt.

A comparison of the earnings of the past with the previous year, shows a falling off in receipts from up freights of \$14,333 34; down freights, \$4,-996 44; through travel, \$63,314 17. The receipts from way travel show an increase of \$2,319 77. This diminution of business is attributable to several causes-foremost among which may be mentioned the financial embarrassments in which the whole country was involved, and which was felt to a greater or less extent by all departments of industry. The opening of the North East Railroad afforded a more direct communication with Charleston. The transportation of cotton to market, and of goods in the interior, was to some extent shared with that road, while the coastwise travel was diverted at Florence, the point of junction. By the completion of the East Tennessee & Virginia railroad, a new and more direct route was opened between the north-eastern and southwestern cities, over which through tickets were issued at greatly reduced rates; while increased accommodations were afforded by the several lines of steamers between Savannah and Charleston and the North. The long established through ticket arrangement between Wilmington and the northern cities was broken up, and the fares increased some twenty per cent. This latter, more than all other adverse circumstances, tended to divert the through travel from this, and to turn it into the new channel. Hopes are expressed in the report that the through ticket system will be re-estab-

lished; and that "whenever the route from Baltimore to Atlanta over this line can offer to the the western line, and give the same facilities for checking baggage to remote points, it will command a fair share of the travel."

The following is a statement of the receipts from all sources, and the disbursements during the year:

RECEIPTS.

Cash and cash items, Sept. 80, 1857...\$65,028 63

Increase of capital during the year 1,42 Credited to profit and loss	7 10 0 70
\$149,67	8 17
Paid current expense of road \$209,76	
years	5 12
change	7 45
Amount of debt decreased 9,21	1 97
Paid on account of construction, etc., 41,42	4 04
Cash and cash items 61,16	

The company have 14 passenger and 8 freight engines; 20 first class and 2 second class passenger cars; 6 baggage and 4 mail cars; and 156 freight cars.

The same mileage has been performed by the trains as in the previous year, and with an equal amount of rolling stock in active service. The business might also have reached or even exceeded that of 1857 without adding appreciably to the cost of operating.

GENERAL BLATEMI	SAT.		
Balance Sheet from the Tr	easurer	s Boo	ks,
Sept. 30, 1858.		CR.	
By Capital Stock	\$1,1	25,314	91
" First Mortg. Bonds. \$596,000	00		
" Second do. do 200,000	00		
" Income Bonds 177,000			
	9	73,000	00
" Bonds secur'd by Wil,		, , , , ,	
& Wel.R.R. stock, 150,000	00		
" Bills payable 108,807	92		
" Requisitions payable 818			
	2	59,621	56
Due on Negro Bonds, open accou	nts.		
etc		28,118	29
By Profit and loss account		15,863	
" Net profits of the road for		,	
past year		28,320	92
	40.0	20 020	00

past year		92
	\$2,830,238	98
	DR.	
Construction	\$2,413,364	63
Filling trestle	20,399	09
Interest on stock		30
Interest account	83,345	78
Paid on account of contracts	2,438	90
Wateree & Hamburg R. R. surv	ey 2,439	07
C. & D. R. R. Co., on accoun		
stock		22
Wilmington & Weldon R. R. st.	ock . 201,500	00
Due from Post Office De-		
partment \$10,68	37 50	
	50 92	
Due from R. R. companies 6,55	20 85	
	21 34	
	21 60	
	44 000	01

14,722 78 Cash on hand ....

\$2,830,238 98

The officers of the company are: President-THOMAS D. WALKER.

General Superintend't-JAMES P. ROBERTSON Secretary-Wm. A. WALKER.

Pork-Packing in the West---Full Return from all Points.

The Cincinnati Price Current, of the 2d inst., publishes full returns from all hog-slaughtering points in the West, except Chicago and Toledo, (those places are reported up to latest dates,) which show an increase this season over last of 227,888 hogs. The figures comparing the two seasons, and remarks, are as follows:

CONTRACTOR OF PERSONS	1857-8.	1858-9.
Ohio	610,060	624,109
Kentucky	372,609	397,117
Indiana	441,885	407,636
Illinois	463,577	596,136
Missouri	176,386	155,774
Tennessee	42,875	65,172
Iowa	85,583	158,217
Wisconsin	16,000	32,702
Grand totals 2	2,208,975	2,436,863

Increase..... 227,888

There is an increase of slightly over 101/4 per cent., as compared with the packing last year With reference to the weight, we succeeded in

obtaining the comparison from one hundred and seventy-nine places, both as regards the average weight of hogs and the yield of lard per hog.

We have classified the weight for each State, and find the average to be as follows:

A			Yield o	
			per I	
1	857-8.	1858-9.	1857-8.	'58-9.
Ohio	211	196	28	23
Indiana	202	186	31	22
Illinois	202	183	37	27
Kentucky	212	217	31	33
Iowa	199	173	39	22
Missouri	202	174	27	23
Tennessee	213	218	37	39
Wisconsin	235	230	30	28
mi da	-1			1 1

The averages of the above weights would not be a correct average for all the hogs packed, as the relative numbers packed in each State are to be taken into calculation, in arriving at an estimate approximating to accuracy. For instance, the above figures would show a falling off in lard of 18 pounds per hog, when in fact it is 42 pounds per hog, as we have ascertained by calculating each State, and the same remarks will apply to the average weight of hogs.

As regards the average weight of hogs, we obtained, as we have already stated, the returns from 179 places, and find the total weight of hogs packed at these places last year to be 411,199,140 pounds. The weight of a similar number packed at the same places this year is 386,009,183. This is slightly over 64 per cent. of a decrease in weight, which is equal to 139,253 hogs; which being deducted from the excess as given above, leaves the net increase in number 78,635, thus showing a net increase of a shade over 31 per cent., as compared with the crop of last year. The hog crop of 1858-9 compares then as follows, with that of the last two

3½ per cent. greater than that of 1857-8. 18½ " 1856-7.

As regards the falling-off in the lard, the average yield per hog, as shown by the returns, was 30 lbs. last year, and 25‡ lbs. this year. Now, by multiplying the whole number of hogs packed both years, as reported above, by the yield of lard per hog each year, we can arrive at the compara-tive supply of this article with all the accuracy

1857-8...2,208,975 hogs, 30 lbs. per hog, 66,269,250 1858-9...2.436.862 hogs, 254 " " 61,530,791 1858-9..2,436,862 hogs, 25‡

Decrease. . . . . . . . . . . . . . . . . . 4,738,459 This is about 71 per cent. of a decrease as c mpared with last year. An impression prevails, very generally, that the deficiency in lard is much

greater than this; but it seems to have been over-

vield per rom wh Onr c that farn pork thi can be n meats fro very sma year. I the large over into an offset lations re in mind.

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And th Mainten Rent of pa Conducti Rebuildi

Delinque

Carried 1 To wh Individu 1857 . Proceeds Miscella General

Disbu Paid for Domesti Notes pa Real est Suspend Paid bal Sundries

Ass

It will floating scme \$7 the susp leaving \$30,000, For the and to c ficient t quire th the year compare crease exc'usiv was son passeng

Inclu ome \$ theretobridges a stone previou looked that while there is a large falling-off in the vield per hog, there is a greater number of hogs from which to obtain the article this year than

Our correspondents are unanimous in stating that farmers and store keepers packed very little pork this season, while a greater amount than sual was cured by them last year; so that there can be no doubt that the supply of bacon and bulk meats from this source, the present season, will be very small indeed, as compared with that of last year. It should be remembered, however, that the large amount of last year's cure, which passed over into this year, answers, to a great extent, as an offset for this deficiency, and in making calculations regarding the supply, this should be borne in mind.

#### Eaton and Hamilton Railroad.

The receipts of this road for the fiscal year ending December 31, 1858, were:

From	passengers	٠.			0					\$56,942	47
11	freight							,		89,380	91
44	mails and express	8 ,			•					5,542	84

\$151,866 22

And the expenses were:

Maintenance	of track	18,672	20		
Do.	equipment	17,089	16		
Rent of track	at Hamilton	10,000	00		
" paid for	equipment	6,010	38		
Fael		8,326	48		
Conducting tr	ansportation.	35,240	62		
Rebuilding br	idges	4,737	35		
" cu	lvert	4,136	56		
Delinquent ta	xes for 1857.	3,038	26		
-	-		_	107,251	0

Carried to general revenue account .... \$44,615 21

To which add-Individual debts and cash assets of 1857 ..... Proceeds of real estate sold ...... 84,054 94 Miscellaneous items . . . . . . . . . . . . . . . . . 14,005 46

General revenue for the year 1858 ... \$149,169 28 Disbursed as follows:

Interest account\$4,137	41		
Paid for cars 4,600			
Domestic bonds redeemed 26,031	29		
Notes paid	37		
Real estate bonds redeemed, 40,000			
Suspended interest paid 20,193	32		
Paid balances due in 185710,356	52		
Sundries 2,868	13		
	_	146,654	04

Assets and cash on hand .... \$2,515 24 It will be seen from the above that the original floating debt of the company has been reduced me \$74,500; the funded debt some \$40,000; and the suspended interest debt some \$20,000—still leaving a floating debt to be provided for of some \$30,000, in addition to the suspended interest debt. For the payment of this balance of floating debt, and to complete the purchase of rolling stock sufficient to successfully operate the road, will require the entire application of the net revenues of the year 1859.

The gross revenue of the road for the past, as compared with the preceding year, show an increase of \$10,930 34. This increase was derived exclusively from the tonnage of the road-which was some \$16,000 in excess of 1857; while the Passenger traffic was some \$6,000 less.

30me \$12,000, which are not properly chargeable previous year. The following is the company's

3.	GENERAL STATEMENT.		¥
3	Capital stock \$469,762	68	t
ı	Bonds issued	001	
	Domestic bonds	84	F
	Bills payable	59	
	Suspended interest	62	t
	Miscellaneous 7,558	16	6
-	\$1,358,867	89	a
,	Construction	69	I
į.	Equipment	91	0
i			6
1	Cincinnati and Chicago R. R. Co 47,300		r
3	Cincinnati, Logansport and Chicago		
	Railroad Line	70	I
,	Profit and loss 63,778	77	I
	Transportation balance	79	A
	Post Office Department\$1,173 25		
	Railroad current balance . 1,487 36	- 1	
•	Treasurer E. & H. R. R 161 92		
	2,822	52	
l	\$1,358,867	89	

The officers are: President-D. BARNET. Treasurer-E. W. M'GUIRE. Superintendent-D. M. MORROW.

#### South Carolina Railroad.

In the report of this Company for the fiscal year ending December 31st, the gross earnings from

				tollows:	
From	freight.	 	 	 \$1,017,421	31
	passen				05
66	mails a				08

	\$1,501,008	4
The expenses for same time were:		
Bureau department—sal-		
aries and contingencies. \$18,054 37		
Transportation departm't		
-salaries and wages 238,323 98		
Conducting transportat'n. 37,551 06	-	
Annuities to the city of		
Augusta, from Aug. 1,		
1857, to Dec. 31, 1858. 9,916 66		
Oil and tallow 20,635 32		
Wood 53,587 94		
Maintenance of mach'ry. 146,029 69	1	
" road 127,689 68	3	
Savannah River Bridge . 27,837 21		
Masonry on Hampton's		
Bridge 870 68		
	680,496	f

					\$820,511	85
Less	sterling	interest.	 \$122,142	74		
	general			05		

damages, etc..... 13,486 42 192,432 21

Leav	ing	a net incon	ne of		\$628,079	6
Dividend	for	first 6 mos.				
6.6	"	second "	164,883	00	4990 067	0

Carried to surplus income acc't. \$308,012 64 Compared with the previous year, there has been an increase in gross receipts of \$51,205 62 and in net earnings, \$83,537, notwithstanding a decrease of passage during the year of \$17,283 93 on local business, and of \$60,378 on through business; the latter was chiefly attributable to the opening of the Virginia and Tennessee route. The increase on the general business of the road has, however, more than supplied the difficiency. The Included in the current expenses above, are business of the year has also been done at a much reduced cost when compared with the years 1856 thereto-having been expended in rebuilding two and 1857-having been brought to the very ecobridges that were destroyed by fire, for rebuilding nomical point of 45.34 per cent., which covers exa stone culvert and the payment of taxes for the tra as well as ordinary expenses. But for the decline in passenger business, the results of the year ed to approach this bridge, and an alteration and

yould have far exceeded those of 1855, in which the income of the road reached its highest point.

The Auditor's statement shows that the debt of the company has been reduced from \$3,537,608 65, in 1857, to \$3,213,850 12. This reduction, amounting to \$323,758 53, has been effected, in part, by the application of \$212,123 60 from the current income of the year, the balance, \$111,634 93, from the application of assets which have been made available and applied to this purpose.

The bonds of the Company fall due as follows:

Pa	st due	 										\$11,400	00
	1859.												99
66	1860.				 							47,631	67
												3,500	
												451,333	
												2,000,000	
66	1868.	 				 	 4					192,000	00

\$2,730,462 99

The President recommends that the policy of the Company with reference to its debt should, to a general extent, be determined on. He says:

"The ability of the Company to discharge its obligations is unquestionable; but the original agreement made when the European debt was contracted, imposes upon us the obligation to provide for too large an amount in one instalment. The debt should be arranged by distributing it over a series of years. The rate of interest paid on the foreign debt being only 5 per cent., it inexpedient at an earlier period to exchange it for one bearing a larger rate of interest. It is, however, improper to suffer the maturity of the debt to approach too near, before provision be made against even a temporary default of payment. We, therefore, propose that the Company, by resolution, declare its concurrence in the policy indicated, and authorize the Board to re-arrange, by the substitution of other bonds, such portion of the present debt of the Company as they may find it inconvenient to provide for out of the present assets and current income, without interfering, to too great an extent, with the usual dividends. The Board are of opinion that there is no reason to believe that the rate of dividend recently declared will be diminished by adopting the plan suggest-They would also bring to the attention of the stockholders the fact exhibited on the last annual statements, that for the next four years the bonds falling due amount to but \$80,000, so that the discharge of a considerable portion of debt will necessarily be effected by payments of cash during the same period-thus strengthening the credit of the Company and facilitating the operation of extending the term of settlement for the balance of the debt."

No expense of an extraordinary character has been incurred in the road department during the past year, except for the erection of a new bridge over the Savannah River, at Augusta, and for the stone abutments for the renewal of a bridge of one span eighty feet in length, at Hampton's, on the Columbia road. The former was sufficiently completed to allow trains to pass over it on the 10th of De-

Howe's patent has been followed in its construction; It is of six spans, 904 feet in length, inclusive of a pivot draw. The end spans are 152 feet each, the remaining four 150 feet each. Its width outside is 18 feet 6 inches-width in the clear, 14 feet-and in clear height, 18 feet. It is supported upon seven piers of carefully selected black cypress, and an abutment of brick at the eastern end. Each pier, strongly framed, sets upon 20 piles-the draw per upon 36 piles. On the Hamburg side, a trestle, about 1,000 feet in length, has been erectelevation of the tracks in Augusta, became also (canons obusiers) of four inches ((0.12m.) diameter.

The mansonry at Hampton's is progressing.

The line of road is in very good order, with the exception of a few points on the Hamburg branch, which require new iron. The Company will receive, during 1859, 2,000 tons of American rails, under a contract recently made with the Phœnix Iron Works, of Pennsylvania. The weight will be 58 lbs. per yard. Old rails are delivered to to prove its solidity, several balls were lodged in them in Philadelphia, the new iron received at that port, paying them a difference of \$20 per ton.

GENERAL CONDENSED STATE	A 6 37 37 m		L
		00	ı
Capital stock, 42,803 shares	84,179,475	00	ı
Surplus income	308,012	64	l
6 per ct. sterl. b'ds, payable in 1863	183,333		l
5 do. do. do. 1866	2,000 000	00	
6 do. b'ds to St. of S. C. do. 1858	8,000	00	ı
6 do. do. do. 1868	192,000	00	1
7 do. bonds to Auditor's order	246,500	00	
Bonds to individuals	34,629	66	ı
Do. issued for double track, etc	66,000	00	l
Bills payable	172,993	88	
Scrip account	20,092	68	
Pay rolls	39,534	92	
Dividend notes due April, 1859	24,919	00	
Do. do. January, 1, 1858	164,883	00	l
Transient creditors, coupons, etc	60,963	65	1
Description of the second of t		_	١.

	and address of log-strain of the	\$7,701,337	76
,	Property in 242 miles of road	\$5,517,384	58
	Lands	324,531	43
	88 Negroes		72
	62 Locomotives		46
	59 passenger and 790 freight cars	534,444	60
	Materials and machinery		21
	Bills receivable		02
	Bonds do	53,283	36
	Stock in various roads		00
	Transient debtors		57
	Sundry railroad accounts	71,672	40
	Due by agents		19
	Do. Post Office Department		00
	Cash		22

\$7,701,337 76

The officers of the company are: JOHN CALDWELL, President. H. T. PEAKE, Superintendent. THOS. WARING, Auditor.

[From " Nouvelles Annales de la Construction, August, 1858."]

#### Employment of Artillery in Public Works

They are now working in the "Department de l'Ariege, (France,) on the improvement of the Imperial Route, No. 119, which, according to the location adopted, passes through the grotto of Masd'Azil, which has already been opened. At the entrance of the grotto, and at the highest part of the arch, there hung an enormous block of stone, presenting a considerable surface and adhering in a very imperfect manner in the adjacent

Suspended at a height of 197 feet (60 metres) above the road, this rock menaced the safety of the travel; it was very necessary to detach the parts threatening to fall, and to consolidate the rest.

rae engineer in charge of the works, saw that in blasting under such circumstances, the difficulties were almost insurmountable, and it seemed that cannon only could dislodge this inaccessible

He therefore wrote to the prefect of Ariege to ask him for the assistance of some artillery, when, fortunately, a battery of the 10th regiment of that arm passed through Labastide about ten kilometres from the grotto.

The officer of this battery, having received in the meantime, by telegraph, orders to consult with the engineer, and to assist him, if possible, went

He placed these pieces on the road at a distance of 820 ft. (250 m.) from the grotto, in such a position, that notwithstanding the height of the rock the limit of the angle which the gun could make with the horizon was not passed. The two guns threw with a remarkable precision. At the fourth shot the operation was flaished, all portions of the rock which had seemed not to be intimately connected with the arch having been removed. The large block remained, but was no longer menacing; an open crack on the slope of the hill, and during this firing no movement was manifested in the mass, although the p. ojectiles were forced to break off the edges of the rock, and to penetrate like

#### Journal of Railroad Law.

STOCK SUBSCRIPTION .- LIABILITY THEREON The liability of persons upon voluntary subscriptions has been a matter of much consideration and of some doubt. The following recent case in the Court of Appeals of this State determines the liability of a person on a subscription for railroad shares.

The Buffalo & N. Y. City R. R. Co. agt. Dudley.

This action was brought to recover the amount of a subscription made by the defendant to the capital stock of the Attica and Hornellsville R. R. Co. The name was subsequently changed to the Buffalo & New York City Railroad Company. The route also was changed. The defendant contended that, firstly, his subscription created no legal liability and, second, even if it did, the subsequent charge would absolve him therefrom. We shall give this week only such part of the case as bears upon the first question leaving the other for a subsequent occasion.

The caption or statement in the books, under which the defendant subscribed, were as follows:

"ATTICA & HORNELLSVILLE RAILROAD. Capital Stock, \$750,000, divided into shares of \$50 each.

Books opened at the Mansion House, in the city of Buffalo, pursuant to a resolution of the commissioners, on the 10th day of December, 1845.

We the subscribers agree to take the number of shares by us subscribed of the capital stock of the Attica and Hornellsville Railroad Company subject to all the liabilities and penalties of the charter and by-laws of the said corporation.

Under this the defendant with other subscribers, wrote his name as follows: "Thomas J. Dudley, twenty shares." This was done about the 24th of March, 1847; and at the time of subscribing the defendant paid five per cent, upon the amount and took the receipt of one of the commissioners

Johnson, J., who delivered the leading opinion of the Court after a consideration of the question whether this subscription constituted an express written promise to pay, arrived at the conclusion that it did not and then proceeded as follows:

But upon this subscription, undoubtedly, the law raises an undertaking to pay the amount subscribed. It is contended by the defendant's counsel that an implied promise can only be raised upon a past consideration, upon some benefit or advantage which has already accrued to the party upon whom the obligation is presumed to rest, This is conceded. But the interest in the twenty shares of stock subscribed vested in the defendant the moment his subscription was complete. And this obviates also the other difficulty suggested by the defendant's counsel of a want of mutuality on the 19th of June to Mas-d'Azil with two pieces on the part of the plaintiff. The contract was ex-

ecuted on the part of the plaintiff when the de fendant became a stockholder. That the defend ant became a stockholder in the corporation and the owner of the shares subscribed for, is fully settled in Spear vs. Crawford (14 Wend. 20). In deed the power of forfeiture given to the director in the charter must proceed upon the assumption that the subscriber becomes the owner of the stock.\* The interest acquired by the subscription is a good consideration to support an action for the amount subscribed by the subscriber. Aug & Ames on Corp., 474. If this is not so and the argument is to be regarded as merely executory between the parties to deliver stock on one side when paid for and to pay on the other, it would clearly fail for want of an undertaking on the part of the plaintiff to deliver. There would be no mutuality whatever. The defendant's ccunsel insists that the defendant could not become a stockholder until his stock was apportioned or set off to him by the commissioners appointed to receive subscriptions. The charter however only provides for a distribution in case of an excess of subscriptions over the amount of stock. But that fact is not shown, and is not to be presumed in the absence of evidence. If no more than the amount was subscribed, the commissioners had no power to distribute and the several subscribers would be the stockholders holding the number of shares respectively taken. Had it been shown that the amount subscribed before the books were closed was greater than the whole capital, the plaintiff would have been compelled to prove in order to fix the defendant's liability, that the amount subscribed, or some other amount, had been awarded to him in the distribution; because, in such a case, as the amount of stock cannot be increased, a distribution becomes necessary in order to determine who are the stockholders, and the number of shares each is entitled to, and the subscriptions are made subject to such right or power of distribution, if the state of the subscription shall render its exercise necessary. The presumption of law, however, must be, I think, that the books were closed the moment the stock was all taken by subscription, and thus the title of the several subscribers to the number of shares respectively taken, subject to forfeiture by the directors for non-payment, became perfect the moment the books were closed.

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fr. Justice

The certificate is not essential to the ownership. It is mere evidence of title which the owner may require at any time and which the court would compel the corporation to deliver to the person entitled. Aug. & Ames on Corp., 476; Chester Glass Company vs. Dewey, 16 Mass., 94; Spear vs. Crawford, supra. The plaintiff is not deprived of which th the remedy by action to recover the amount subscribed, because the power to forfeit the stock for distinct, non-payment is conferred by the charter upon the directors. That is a cumulative remedy merely. The corporation may lose the right of action by first resorting to remedy by forfeiture, for the reason that the forfeiture operates as a rescission of the contract, and the contract being ended no foundation remains for an action to rest upon This was settled in the case of Small vs. the Her-

<sup>\*</sup> The charter of the plaintiffs provided might require payment of the subscriptions under the penalty of forfeiture of the stock and all previous

1人被状态形态。但人自然还已是推一营工具与智慧

mer Manufacturing Company (2 Comst., 330). at as long as the contract remains in force, ar fully dat as long as the contract of stock taker by be maintained by the corporation against a sheriber. And it makes no difference whether be promise to pay is express or implied. The self-explanation of the undertaking to pay must the same, whether it is express or such as the w implies merely. Several cases decided in her States were cited upon the argument to susin the position that the corporation must resort the remedy by forfeiture, in the case of an imied promise to pay for the stock subscribed, and old maintain an action only upon an express omise to pay. I am unable to perceive any did grounds upon which such a distinction can st. It has never been obtained in this State, and I mnot see how it can be maintained upon princi-ie. For aught I can see, the rights of the sub only giber and the corporation are precisely the same only held the considered in that that the Korthern Railroad Company vs. Miller (10 in the lib., 260), in the able and elaborate opinion of in the ft. Justice Willard, and the distinction shown to entirely destitute of foundation.

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Mr. JUSTICE SELDEN also rendered an opinion. which he concurred with Mr. Justice Johnson holding that the contract of subscription raised least an implied promise to pay therefor, and at the remedy by forfeiture given to the directwas cumulative only. He was also of the guion that the subscription itself constituted an quess written promise to pay the subscription, on tich point his opinion was as follows:

his insisted that the promise to pay, if any exists, thes by implication alone, and that to give a com-m law remedy by action, in addition to the littley remedy by forfeiture, provided by the arter, it is necessary there should be an express omise. To this it may be answered that it is of law, no means clear that the promise is to be reanded as implied merely. On the contrary, as I s were rided as implied merely. On the contrary, as I by sub-by sub- identand the distinction between express and im-al sub- id promises, that existing in this case belongs to actively aformer class. An express promise is one which ors for expressed in words. No particular form of ont the was is essential to such a promise; but if the guage used, when fairly interpreted, imports pership andertaking to pay this, I apprehend, constihas an express promise. The letters I O U, hich have been held to amount to a promissory er may t would person de, constitute an express promise no less than it Chester twords "I promise to pay" had been used. An pear vs. whied promise, on the other hand, is one which rived of tot deduced from the language of the party, ant sub-twhich the law raises upon principles of equity tock for distinct in view of some consideration report the lied. In this case a promise to pay is necesmerely. Them braced in the agreement to take stock, ction by the to the "liabilities of the charter." As the rease that was no way in which the defendant could ission of the tock, agreeably to the charter, without paynded no for it, an agreement to take of course included st upon the sto pay, and this, I apprehend, must be the Her to the story of the Her to the H the Her li, however, it be considered as belonging to the

ed might sat of implied promises, the consequences would noter the the same. I am not aware of any distinction, previous far as the remedy is concerned, between an expromise and one which exists by implication sinking fund of the recent loan of \$450,000. The promise being once raised, the ob- The most careful estimate that can be given by

ligation imposed is as binding and effectual in one case as in the other.

The Court also considered the effect of the altertion of the Company's route, which they held to be no defence, and judgment was rendered for the

#### Finances of Philadelphia.

EXTRACT FROM THE MAYOR'S MESSAGE.

The finances of the city during the past year have been embarrassed, owing to the insufficiency of taxes provided for the payment of the approoriations to the different departments, and for the lischarge of the outstanding liabilities of the preceding year.

Besides the revenue of the city derived from other resources the net amount of proceeds from axation needed to provide for the appropriations of 1858 and for the deficiency of 1857, was about 32,959,000, whilst the net amount to be received from that source, under the rate as fixed by Councils, could not exceed \$2,550,000. The deficiency thus caused, together with the inadequacy of the appropriations for the necessary current expenses of the government has been provided for by the creation of a loan of \$450,000, thus unavoidably adding to the funded debt of the city.

The receipts of the City Treasury during the past year amounted to \$4,744,963 44, which, with the balance on hand January 1st, 1858, made a total of \$5,233,001 54. Of this sum \$5,035,518 33 have been expended, leaving on the 1st of January, 1859, a balance of \$197,383 20. A temporary loan of \$200,000, negotiated in November last, will mature in March of the present year, but will be amply provided for by outstanding taxes.

Many of the warrants issued in 1855 and 1856 are withheld from presentation at the Treasury until provision is made for the payment of the interest which has accrued upon them. The appropriation of \$10,000, made in March last for such interest, has already been exhausted upon the warrants redeemed during 1858, and it is recommended that a similar appropriation be made, which it is believed will suffice to discharge all the remaining liabilities of this description.

The statement of the City Comptroller exhibits the entire funded debt of the city to mature after the 1st of January, 1859, to be \$20,338,705 31-of which amount \$3,173,432 52 are of five per cent., and \$17,165,281 79 of six per cent. loans. In addition to such amount the sum of \$86,368 42 has already matured, but had not been presented for payment.

This amount of \$20,338,705 31 will be increased by the loan of \$200,000 authorized for the con-

struction of culverts, but not yet issued.

Of this amount of indebtedness there will fall due in 1860 \$945,234 64, and in 1861 \$448,108 55, for the payment of which some other provision must be made then by resort to the investments of the Sinking Funds and their accumulations.

By the report of the Commissioner of the Sinking Funds provided for the redemption of the city debt it will appear that nine several accounts have been opened for as many distinct loans, and that to each respectively is credited the amount appropriated for its redemption under the terms of the ordinance by which it has been created.

The amount standing to the credit of each Sinking Fund on the 1st of January, 1859, was as fol-

Loans.	Cash.
\$166,993 74	\$7,466 79
41.800 00	54 63
20,500 00	10 05
4,200 00	76 50
27,100 00	55 75
35,300 00	47 25
2,400 00	34 25
38,400 00	4,526,00
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	\$166,993 74 41,800 00 20,500 00 4,200 00 27,100 00 35,300 00 2,400 00

\$336,693 74 \$12,271 22

No appropriation has yet been received to the

the Receiver of Taxes makes the gross amount, \$2.806,896 88, from which \$40,000 must be defucted for exempted estates and \$117,298 48 for the discount allowed to tax payers, which makes the revenue from taxation for 1858 \$2,549,598 45.

The ordinance fixing the rate of taxes for 1858 at one dollar and eighty-five cents on the hundred tollars of assessed value, was approved February 12th, and the books of the Receiver were opened March 8th for payment thereof.

The receipts from that date to the end of the year were \$2,019,712 25, leaving \$529,886 20 outstanding on the 1st of January, 1859, or nearly 20 per cent. of the entire tax levy, of which there has since been received to the 22nd instant, \$224,-059 96 to avoid additional charge of 5 per cent. imposed by legal process for collection.

The amount of discounts allowed to tax payers during the past year, as previously stated, was

\$117,298 43, or about 4½ per cent. of the taxes. During the past year the average daily supply of water has reached 18,738,153 gallons, being an increase of 1,428,835 of such previous average. New water pipes have been laid to the length of 67,298 feet, exceeding the extent in any former vear.

The receipts of the Water Department in 1858 amounted to \$457,518 48, and its expenditures to \$186,570 58, leaving a profit of \$270,947 90, applicable to the general expenses of the city.

The profits of this department have always exceeded those of any other branch of the government, and have since consolidation been steadily increasing. They amounted in 1855 to \$131,141 35; 1856, \$212,981 64; 1857, \$224,820 29; 1858, \$270,947 90.

The entire amount of unredeemed loan issued for the construction of water works is now but \$672,700.

The total valuation of real estate and of personal property assessed for taxation for municipal purposes for 1859, is \$155,697,669, of which the personal property amounts to \$2,697,433.

The number of taxables in the entire city is stated at 103,850.

The rental of property belonging to the city and not used for public purposes, together with other revenue collected by the Commissioner of City Property, has amounted during the past year to \$27,618 63. The various expenditures for repairs and improvements of the public buildings and squares have been \$82,434 65.

The probable receipts from the rental of markets and wharves, is estimated for the present year at about \$105,000.

#### Sixth Avenue Railroad.

At the election of the Sixth Avenue Railroad, held on the 2d inst., the following gentlemen were chosen Directors: Messrs. Sidney Mason, Frederick de Peyster, George R. Howell, Samuel S. Bowman, Waldo Hutchins, John B. Hall, A. Goldsborough Jones, John Q. Jones, Wm. H. Marcy, Chas. H. Marshall, Richard Mortimer, Lorillard Spencer and Francis A. Livingston.

#### Finances of Kansas.

EXTRACT FROM THE GOVERNOR'S MESSAGE.

The estimated value of the taxable property of the Territory is \$25,000,000.

The Commissioner of Claims, arising from the enforcement of the Territorial laws, reports that claims to the value of \$301,225 11 were presented for examination, on which \$254,279 28 were awarde 1, \$38,942 90 of this being on public, and \$215,311 38 on private claims.

On the 23d of December last, the debt of the Territory was \$19,000, and the assets \$33,946, including the assessments for five counties for the year 1858.

About three million acres of land have been sold and pre-empted in the various districts; of this amount, 1,196,127.59 acres were located in the Delaware, and 1,195,442 68 in the Lecompton Land District, the remainder in other districts,

#### Railway Share List,

Compiled from the latest returns-corrected every Wednesday-on a par valuation of \$100.

Alaba Buffal Buf

NAMB OF COMPANY.	Unethof Ros	Ospital paid in	Debt	Total cost of road & equip't.	Grose Earning for last officia year.	et Barnings for do,	Dividend for do	Price of Shares	NAME OF COMPANY.	Ungthof Read	Ospital paid in	Debt.	Total cost of road & equip't,	Fross Earning: for last officia year.	Net Earnings for do.	Dividend for do
	-				9	Z	-	4		5	8	<u> </u>	Too		#Z	5
Atlantic & St. Lawrence	141		3,482,000 1,835,30				6 none			30 43	151,887 1,399,100	463,648 441,292	538,649 2,269,323		208,771	9
Wannahae & Portianus a san	72	1,107,526		2,87 ,26	218,255		none	93	Tennessee and Alabama	80	309,754	626,889	679,906	53,775	29,405	5
Portl., Saco, & Portsm'th Boston, Conc. & M'utr-Mi	93	1,896,400	1,104,586	1,359,37	3 263 717 32 .767			16	Tennessee and Mississ,	61	757, 40 2,228,177	8 1 8 12 3,495,288		161,001 642 022	99,*88 334,504	
Conshire	100	000, 121	899 313	3,179,68	855,629	113,077		6	Mobile and Ohio 3	05	6.784 8 9		5,572,470 10 701,428	554,382		
Ooncord	82	1,500,000	8,249	1,412,570	817,0	125,664		47%	Miss Central	89	1,575,474	926,796	2,503,098	115,679	150,7×9	****
Northern, N. H	90		406,28r 800.000			78,401	4 none			82	2 800,000	1,400 000 750,000			127,450	
Desciond & KHTHHULKHISS ages	117	2.233,376		4,584.008	3 342, 1	41 088	none		NO Jackson & G. N 20	06	4,035 000	1,815,610	7,142,56	189 003		
W out and Usnadilas	122	1,350,000	5,276,299	1,380,69		Vt Cent 127,389	none	80	Vicksb., Shrevep. & Tex	2	883.746 1,192.974	108 285	992 051		104.992	none
Vermont Central	25	1,830,000	438,920		435,865	171, 32		92	East Tennessee and Vi	30	626,075	1,728,664	2,703,429 3,208,138		39,062	2
B ton and Maine, acces acces	43	4.076,974	000 7 10	4,229, 8	110,002		6	93	Nash, and Chattanooga 1	59	2,263,905	1.632,797	8,896,703	641,552		
Boston and Providence Boston and Worcester	44	8,160,000 4,500,000	239,7 '0 599,974		1,019.148	389,618	6	95%	Covington & Lexington	29	1,334,850	3,065,917	4,091,604 658,255	95,807	45,712	
Jane Cod	47 50	681,690	291,007	1,031,625	122,900		3	69%	Lexington and Danville 1	13	694,444	71,000	765,500	In progr.		
Jonnecticut River	60	1,591,110 2,583,400	275,772 2,441,873		1 42 . 45 \$ 540			411/2	Louisville and Frankfort (	65	741,039 866,939	625,216 77,494	1,502 095 613,231	245,750 In progr.	109,059	
	67	3,540,000	100,000	3,872,821	008,974	250,843		92	Bellefontaine and Ind 11	18	1,874 395	1,315,237	2,993,392	348,55%	120,836	none
	21 77	3,015,100	260,100	541 580 3,362,949	168,925 683,357	27,827 305,140	6	99%	Clev., Col., and Cincin 14 Cleveland and Toledo 20	41	4,746,2	90,400		930,282	511,740 433,790	
old Cofy and Fall River Vermont and Mass	69	2,232,541	1,019,148		240,133	52,267	none	1+3	Clev. and Mahoning 6	85	3,333,712	4 225,558	7,193,016 1,920 953	In progr.		
	46	5,150,000	5,839,030	10,495,905	2,11,982	889,763 82,720	8	105 %	Cley and Pittshurg	22		3,043,992	5,537,466	581,877	309,518 581,454	
Worcester and Nashus-	43	1,141,000 1,510 020	205,565 300,000	1,351,271	344,773	155,044	7	87	Clev., P. & Ashtabula 9 Cin., Hamilt'n & Dayton 6 Cin., Wim. & Zanesv'e 13	30	3,000 000 2 155,800	1,495,548 1,526,092	4.040,978 3,130,315	487,42	260,763	3
	122	2,350, 00	944,000	3 329,602	769,065 27 4,428	340,8 5 112, (25		1.3	Cin., Wim, & Zanesv'e 13	31	2,421,176	3,782,040	5,696,210	223 508	30,288	
weth Provand Fishkin	74	1,936,246 2,000,000	2 192 692 423,685	4,205,906 2,438,947	318,475	109,344	HOUSE		Dayton, Xen., & Belpre 6	55)	1,490,450 437,838	149,000 422,658	1,582,475 860,496	403,212 In progr.	181,688	
Tousatome	57	1,031,800	524,244	1,580,723	23 ,416 1 157 050	114,237			Dayton and Michigan 14	10	1,076,602	393,011	1,185,826	In progr.		
Vork and N. Havensee!	62	2,980,836) 738,258	2,323,240 761,462	5,259,232	1,157,055	254 569 30,318		45		35	310,000	700,481	1,035,173	140,936	65 253 50,008	
Haven and N. London	96	610,700	1,052,000	1,450,318 1,603,230	120,571	51.544	none,		Little Miami	35	469,763 2,981,242	832,669 1,266,000	1,176,164 3,925,15	775,442	290,123	
Commich and Wordester	66 32	2,122,300	724 18	2,598,671	265,417	44,547 9,904		30	dandusky, Dayton & Cincin 17	1	2,697.090	3,368,000	6,065 090	694.614	304 008	
ibany Northern	35	439,005 643,330	317,653	1,840 695 974,323	Luprost.				P-ttsb. Ft. Wayne & Chicago 12	18		6,224,650 9 822,550	6,496,824 (4,279,704	570,0°2 1,546,359	164 697 577,787	
metale Corn. and N. L	00	1,487,87 1	1,501,183	2,819,096	172,476	66,333	none	****	Pittsb'g, Maysv'e & Cin 5	0	371,350	81,000	390,933	In progr.		
manin and N. Y. Ulty	69	1,300,000	1,040,000	3,401,868 2,494,364	679,750	31,896	lo		Sand'y, Mansf & New'k 12 Scioto & Hocking Valley 5	7	1,350,000	2,206,357 509,050	3,552,357	328,958 In progr.	164,479	
unalo and St. Lineanandaigua and Elmira	47	434,111	922,393	1,275,796	174,089	00 SAW			Springf, Mt. Vernon & P 113	3	1,000,000	950,000	2,194,000	In progr.		
amandamina & Niagara F'8	98	1,315,000	2,279,854	3,495,832	135,435	48,649			Tol. Wabash & St. Louis  24	2		7,577,500 1	0,542,600	Recently	opened.	
A SINGONOBIANOM	44	687,000 3,758,466	506,689 9,250,362	1,187,562	1,902,825	688,580	one	32 x	Cin., Log, and Chicago 25 Evansv'e & Crawfordsv 10	9	4,196,679 989 061	1,006,125	2,080,433 2,158,713	249,868	124,140	
one laigne	95	3,000,000	647,193	2,555,986	325, 13	56,180	one	112	Ind. and Cincinnati 8	8	1,686,809	1,564,584	3,029,989	491.743	245,622	7
ow Vork Central		24,182,400 1 11,000,000 2	4,402,686 8,031,465	30,732,518	0,525,410		8 ione	13%	Indiana Central 66		612,350 835,791	1,261,179 1,07 694	1,909,911 1 826,425	368,189 253, 19	204,685 85,248	
ew York and Harlem	Sin	5,717,100	4,822,498	8,758,203	1,040,393	324,891	lanne	131/3	Jeffersonville 7	4	1,014,252		1 839,576	222,737	94,318	none
orthern, N. Y.	18	806, 130	4,400,874	5,470,714	149,373	135,754 78,754	one	1	Madison and Indianapolis 87	7			2,931 516	260,214 645,827	118,628	
swego and Syracuse	29	467,200	213,025 294,189	752,03 749,683	In progr.		8 ione	****	New Albany and Salem 286 Peru and Indianapolis 73		2,535,121		7,029.494 2,000,000	150,000	90,000	
Consulator & Saratores	25 48	610,000	140,000	896,423	71,909	82,600	7		Terre Haute and Ind 73		1,361,450	250,125	1,585,809	481,272	206,079	10
aratoga and Woltenan	80	768,369	395,600	2,272,777	155,404	Oak Same	one		Chicago and Rock Isl'd 182 Chicago, Burl, and Quincy 216	0		1,734,318 3,852,970	6,628,272 8 042 426	1,505,190	850,039 81 ,767	
Por and Bostollasses	27	437,830	737,079	1,109,422	440,290	55,184			Chicago, Burl. and Quincy 216 Chic., St. Paul & F'd du Lac. 178 Galena and Chicago	8	2,300,000	1,325.000	3,625,000	in progr.		
atartown and Rome	64	1,500,000	700,979	2,200,500 2,844,000	210,000	162,037 114,632 n	3 %	50	Illinois Central 704	4	6,023,800 6,556.435,2	3,899,015	9,395.455	2,315,786	565,972	8
anden and Amboy	94	3,000,000 1	1,407,200	8,794,090	1,040,701	994,114 1	2 1	20	Peoria and Oquawka 181	1	1,569,889	2,200,000	5,400,000	In progr.		
mden and Atlantic		3,485,000	788,844	1,738,171 3,660,017	911,61	45,542 534,951	(ano	32	Ohio & Miss. (Wst.D.v.) 147 Ferre Haute, Alt & St. Louis 208	7		8,292,403 4,925 927	4,870,586 8,726,764	Recently	opened. 247,757	****
w Jersey Central	63	2,000,000	3,592,828	5,621 324	682,940	857.193	1-	104	Detroit and Milwaukee 185	5		1,128,964	1,966,969	Recently	opened.	
namin and Kasax anne area		1.57,805	800 046	1,684,127	85,000	101,542 45 000	3%		Mich. Central282 Mich. South'n & N. Ind475	2		8,366,639 1			764 945	
			1,940,000	3,640,000	219,200	52 45uk			Green Bay, Mi. & Ch.	0	1.000 000	780 000	1.780 000	2,309,487	544,311	
	52	1,018,900	213,500	1,226,675	156,408	77 92			Green Bay, Mi. & Ch. 44 Milwaukee and Miss. 238 Milwaukee & Watert'n. 72 Mi waukee and Horicon 42	5	3 440 673	4,610,593	8,051,255	882,818		
I Luck & Western	70	3,294,772 600,000	150,000	750,000	510,100		6	50	Mi wankee and Horicon 4:	2	354,861	132,000	919 757	In progr.		
nied & Sunbury	33	600,000	1,200,000	1,348,812	89 535	63,335			unwaukee & La Grosse 200	U	7.0 13 1974	B 312, 734) I	DIMOU (UNI	447 1971	203,234	
ttle Schuylkill		3,051 805	046,242 2,820,160	3,407,661 5 106,34	248,784	255,930 136,597	9		Racine and Miss	6	1,586,405	498,479 6,868,000 3,600,000	2,681.086	192 459	118,467	
Politi	56 1	3,206 625 1	5,690,524	27.266.95	1,000,010	1.854,927	6	86	North Missouri	7 5	2 612 100	3,600,000	4 346, 229	160,564		
it and Reading	96 1	1,370,541	8,423,500)	19,263 720	1,140,000	,585,776 1	0	41	Pacific 168	3	3, 319,835	8,307,7201	0,486,394	663,347	313,207	
ut Wil and Baitmore	38	899.350	376,800	1,274,150	200,981	378,876 113,443	0 1	36 1/2	Panama 46	9	1,847,358  8,748,000  -	547,419	5,042,660	1.305.819	845.183	12
and CODDONSVIII	108	1,748,00	1,613,400	2,255,600	4 ,587	4,318	- (	****							0.101.100	0
ttable & Steubenville	32 69	3,676,030	250,000 875,293	3,238,290	100.80c	40,000			U. 8.	. G	OVERNM	ENT SEC	URITIE	18		
www.port and Kimira.	78	1,500 000	1,990,000	3,464,45	274,004	157,455		9,6		PI					Per ci	t. P
timore and Unio	85 T	3,118,902 1 1,650,000	0,986,864	4,802 645	369,22b			56	Loan, 6 per ct186210	r c	t. Per ct		8 perct.	18		
ashington Branch	41		25,000	7, 435,54	741,688	283 284	6		0o, 6 do186711	184	119	Do.	5 do	18	65 101 X	(
b. Wastern Va 1	85	468,305	0,719,229	5,322,100	204,004	000 000	-		Do. 6 do186811	184	119%	Do.	5 do	18	74102 X	6 1
gendria and Lyuchburg.	941	1,477,000	1,006,484 2,130,274	3,363,0.0	375,297	138,842 183,345 n		****			STATE !	BECURIT	IES.			
the Bidosstal	75	0,122,800	1,833,170	5 351,250	580,832	295,776 11	one		Maine, 6 per ct186010		103	India	na, Can.Lo			
Tennessee 2	341	3,503,200 ; 1,977,399	3,201,465	0,750,155	4 1,819	223,210			Massachusetts, 5 per ct. 1859 10		100%	Do.	do. pi	ref. 5 do	72 104	1
chinond and Danville I	22	834 600	32d, 407 230, 856	1,205,412	100,900	255, 36 85,180	a		New York, 6 per ct. 1860-6210 Do. 6 do. 1864-6510		104 111	Louis	icky,6 per nana, 6 de	o. cp. lon	g 94	
an'd Fred. & Value C 16	30	1,000.000	730,500	1,708,169	232,172	120,212	7		Do. 6 do. 1866-6710	18	113	Mary	and, 5 do	cp.1870	1-80" ICA	
marabile and Rougoks	18	1,000,000	158,502	4,230,000	268,874		4		Do. 6 do. 1872-751 Do. 5% to 1860-6110		115 103	Misso	ouri, 6 do	cp18	72., 84 %	
lenington & Weldon	22	1,34 ,213	890,000	1,340,213	446,583	225,442	7 1	00	Do. 5% de 186510	ui)	§ 105	N.Ca	rolina 6 do	OF 18	73 91 %	
ilmiton & Manchester   1	1	1,123,556	1,416,909	4,570,100	204,016	2 40,800 1	Ulle		Do. 5 do 1858 do 10	00	102	Ohio,	6 de	18	60-101	
lough and traston	97	97a,300	880,000	1,719,045	240,722		2%		Do. 5 do. 1866-7410 Do 4½ do.1858 59-64. 9		104	Do.	6 de	18	7510n X	4
Me Columbia 10	35	1,293,404	968,800	T'AAA'020	214,800	206,774			Alabama, 5 do. coup 8	85	90	Do.	6 do	18	80107	. :
TID-ESSIOTE	92	880,000	1,81 ,990	1,907, 478	444.404	446 447 44			California, 7 do.coup1877. 8	85	85 %		a & de	), 8 ),	93 ×	6
men the realization and a second	100	1,000,000	199,000	L.171.707	317,770	191,894	8		Georgia, 6 do. do1872.10 Florida Int Imp. 7 p. et. 1891	UU	. 101 . 85	Penns Do.	6 de	. cp 18	60 98 %	4
	u	4,100,000 3,725,91	476,890	4,174,494	1,030,072	191,894 320,171	7 16		Illinois Int. In. p. 6 per ct. 1847. 10	04	105	Mann	one & de	AD	11	
	111	3, (40, VI. 1	191 767	3,700,000	1,144,0%	682,310 1	0	1400	Indiana 6 do.	4924	4 94	Do.	a do.	CD. sees	**** OF A	
ore and Western		1,458,06	96,000	1,600,000	295, 201			90	3½ da 6	61	62	Virgi	6 do	CD 18	86_ 96%	4

THE ASSESSMENT OF THE PARTY AND A COUNTY	R	ailroad Bonds.	DE NO	SOLUTION OF THE	1000	equipment of the	STATE OF THE STATE	98729 Sept 13	-	Cincinnati Stock Sales.  By KIRK & CHERVER.
NAMES	6	of Handrate and Mark	f.us	THE PERSON OF	1/1/2	100 she	0,1,01	8 44	1	For the week ending February 7, 1869.
COMPANIES.	Losn,	Description of Bonds.	Int	Interest pay-	ere ble	.000	. pg	·	L	BONDS.   Per cent.
(The following quotations are es-	200	Doublipacit of Double	tate In	able.	Where	Due.	Offered	Asked	Co	bo. do. 2d do 6s65
interest.)	4		-	-	-		-	80	- 01	hio & Miss., E. D., Construction 7s 20
Alabams and Tennessee River Buffalo and State Line	\$838,000 500,000	1st mortgage, convertible Do. inconvertible		1st Jan. 1st July April, October.	N.Y.	1872 1866	92%	96		nc, Ham, and Dayton, 1st Mortgage 7890 Do. do. 2d do 7876
Bellefontaine and Indiana	600,000	Do. convertible	. 7	Jan'y, July	66	1866 1858		75		adianap. & Cincinnati, do. do 7s80
Do. do	200,000	Real estate, convertible	1	Jan'y, July Feb'y, August.	66	1859			- 0	incinnati, Hamilton & Dayton54%
Oentral Ohio	1,250,000	1st mort conv. east sec.	. 7	Divers March, Sept.	46	1861-64 1865	60 50	70 55	Ti	olumbus and Xenia
Cincinnati, Hamilton, and Dayton	500,000	Income, guar. Cl. Col. & Cin. 1st mort, conv. east. sec. 2d do. inconvertible 1st mortgage inconvertible 2d do.	7	20.0 an. 20.00 V	44	1867	90 76	92	L	Ittle Miami
Do. do. do		2d do. do. 1st mortgage, conv. till 1862.		May, Novemb.	65	1880 1868			1 4	thio and Mississippi (E. D.)
Cincinnati, Wilmington, and Zanesville	1,300,000	Do. convertible	1	Jan'y, July May, Novemb. Feb'y, August_ Feb'y, August_ March, Sept	66	1862 1861	95	96		Bank Statements.
Oleveland, Painesville, and Ashtabula. Oleveland and Pittsburgh.	567,000 800,000	Do. convertible		Feb'y, August.	44	1860	673			The Bank movement in the four principal cities
De. do	1,200,000 525,000	Do. on Branches	- 3	March, Sept Feb'y, August.	66	1873 1863	75	80	0	of the Union, in which weekly reports are made,
Chicago and Mississippi	800,000	Do. conv. till 1857	- 3	April, October.	46	1862-72 1862-72		55	8	s shown by their last statements, is as follows:
Do. do. Covington and Lexington	1,200,000	Do. do	1 4	April, October.	66	1867	60	65 55		N. Y., Feb. 5.\$130,412,176 \$91,965,256 \$25,991,441 \$7,150,855
Do. do.	1,000,000		- 3	March, Sept April, October.	66	1883 1875	88	89		N. Y., Feb. 5,\$130,412,176 \$91,965,766 \$25,991,441 \$7.150,855 Boston, "7. 59,120,000 20,815,800 7.814.610 6 514.610 Philad., "7. 26,472,569 17,007,167 5,979,433 2,786,453
Florida Freeland	1,500 000	Do. not convertible	8.	March Sent	66	1891	77	78		N.Orl., Jan 29. 21,837,911 24,346,761 16,101,158 11,618,119
Fort Wayne and Chicago	1,250,000 2,000,000	Do. inconmentible	-	Jan'y, July Feb'y, August May, Novemb	64	1873 1863	98	4 99		Total\$237,872 665 154,164,984 55 836,638 28,870,027
Do. do. Great Western (Illinois)	0.000,000	2d mortgage, do.	-	May, Novemb	66	1875 1868	90.	6 90	178	Last week 236,403,105 156,601,766 58,032,898 27,641,417
Green Bay, Milwaukee, and Chicago	400,000	Do. convertible		g io. April, 10.0c	66	1863	87,		3	Railroad Earnings.
Jeffersonville Indiana Central	800,000	Do. 2d sec, inconv		7 April, October 7 May, Novemb	66	1878 1866		- 85		The receipts of the Harlem Railroad for Jan'y
Indianapolis and Bellefontaine	450.000	Do. do.		7 Jan'y, July	- 66	1860 -61	70			are as follows:
Indianap. & Cin'ti (for Lawb. & U. M.) La Crosse and Milwaukee	950 000	1st mort. 1st sec. conv. till 18	64	March, Sept.	-	1874	75	81	5	1858\$79,123 71
Lake Erie, Wabash, and St. Louis	3,400,00	lst mortgage, conv. till 1859		7 Feb'y, August 6 2 May, 2 Nov	- 64		73		2	1859 91,990 20
Little Miami Michigan Central	1,500,00	No mortgage, convertible		April, October March, Sept,	Bos	1860	93			Net increase\$12,866 49
Do. Milwaukee and Mississippi	1 600 00	Do. do. 1st mort. 1st sec. conv. till 18	57			1869 Y. 1862	64	1 6	5	The business of the Illinois Central Railroad
Do. do.	650,00	0 Do. 2d do. 18	58	8 April, October	r. "	1863 1877	70		8	for January was as follows:
Do. do. New Albany and Salem	500,00	Do. 1st section		10 April, October	r. "	1858-6	2			Land Department,
Do. do.	2.325.00		58	8 May, Novemi 8 Jan'y, July	b. "	1864-7		1 199	5	Acres Construction Lands
Ohio and Indiana	1,000,00	0 Do. do		7 Feb'v. August	1 6	1867	-	8	5	sold 3,546.94 for \$40,804 99
Ohio and Pennsylvania.	1,750,00	O Do. do	-	7 Jan'y, July 7 April, Octobe	F	1872	1	6	80	Acres Interest Fund Lands
Pennsylvania (Central)	5,000,00	0 1st mortgage, conv. till 1860		6 Jan'y, July	- Pb		101		02 75	sold for
Racine and Mississippi, scioto and Hocking Valley	800,00	O Do. 1st sec. conv		8 Feb'y, Augus 7 May, Novem	b.	1861				Acres Free Lands sold 788.56 for 12,826 32
Steubenville and Indiana Terre Haute and Indianapolis	1 500 00	Do. convertible		7 Jan'y, July 7 March, Sept.		1865	1			Total sales during the
perre Haute and Alton	1,000,00			7 Feb'y, Augus	st.	1862 7	72, 6	1 1	70	month
NAMES	1 5	1	1	.:1	1	.1	1			To which add Town Lot sales 508 90
COMPANIES.	and de	Description of Bonds,		Interest pay	ere .	ple	1	9	pe	Total of all
(The following quotations include	Amount			able.	8	payable, Due,		Onered	Asked	*Acres s'ld pr'v'sly,1,229,835.38 for 15.637.148 95
the accrued interest.)	4		_	<u> </u>		A H		2-1-	_	The state of the s
Baltimore and Ohio	1.128.5	00 Mortgage		6 Jan'y, July .	Ba	it. 1875	8	1	85	Total1,234,170.83 for \$15,691,289 16
Ohicago and Rock Island.	2,000,0	Mortgage	8 .	6 Jan'y, July 7 10.Jan. 10.Ju	ly N.	Y. 1870 1867	9	2 %	93 97	Cash received in January, 1858 \$35,677 98
Brie Railroad	4 000.0	00 1st mortgage		7 March, Sept.		1859	8	7 1 1	89	Do. do. 1859 54,155 98 Construction Bonds canceled in January.
Do	6,000,0	00 3d mortgage00 4th mortgage not converti	ble	7 March, Sept.	er	1883	( 5	9 1	76% 60	1859\$36,000
Do	4,000,0	00 Not conv. Sink Fund, \$420	00(	7 Feb'y, Augus	18.	1875	4		44	Do. canceled previously
Do	3,500,0	00 Convertible Inscription		7 Jan'y, July		1871	4	0	41	
Hudson River	4,000,0	00 1st mortgage, Inscription . 00 2d do. do.			-31	1869-	70 10		02 95	Free Land Bonds canceled in
Do	2 0000 0	00 3d do convertible.		7 May, Novem 7 April October	ıb.	1870 1870	8	3	95 74 88	Free Land Bonds canceled in January, 1859
Illinois Central	3,000,0	00 Mortgage, inconvertible 00 M'ge 345,000 acrs-priv.7 sh	ar's	7 March, Sept.	er	1860	9	0	91	Do. canceled previously123,000
Michigan Southern	1,000,0	00 M'ge 345,000 acrs-priv.7 sh 00 1st mortgage, inconvertible 00 Do. do.	0	7 March, Sept. 7 May, Novem	ıb.	" 1860 " 1861-			88 92	127,000
New York and Harlem New York and New Haven	750,0	00 No mortgage, do.	••	7 June Decem	ab.	1855'6	10'6 9	6	98	Total Bonds canceled up to January 31,
New Haven and Hartford Northern Indiana		00 1st mortgage, do. 00 Do. do.			st.	" 1873 " 1861	8	5%	94 86%	1859\$1,090,000
Do. Goshen Branch	1,500,0	00 Do. do.		7 Feb'y, Augus	st.	" 1868 " 1883		4%	76 92¥	The state of the s
New York Central Do. do.	3,000,0	00 No mortgage, do. 00 No m'ge conv.from June 5	7-59	/ / [15.June, 15.1	Pec	4 1864	10	13/1	102%	Receipts from passengers
Panama, 1st issue	900,0	00 Convertible till 1856		7 Jan'y, July.		" 1866 " 1866	11		91	Do. freight
**************	1,573,0	000 Mortgage, inconvertible		6 Jan'y, July.	P	hi'a. 1860	1.		****	Do, mails 6.358 33
Reading Do.	1,300,0	Do. convertible		6 Jan'y, July. 6 April October	er.	1886			83 ¼ 74	Do. rent of road 5,633 38
		No 1061di Askd OTTV	91	CURITIES	eTv.	t'st pays	hla d	ma	Askd	Do. other sources 2,356 87
	ne es pays							_		Total receipts in January, 1859\$131,736 41
New York. 5 per ct 1858-'60 Do. 5 do 1870-'75	May,	92 94 % New Orlean	8. 6	per ct. cp. R.R.	X	Do		12	75 77 X	Do. do. 1858 127,861 27
Do. 6 do 1889 Do. 5 do 1890-98	August,	and 102 103 N.Orleans, er. 91 92 Philadelphia	8 pe	r ct, cp. municip, per ct1876-'98	X J	an'y, July		87	90 99 k	* Total net sales, after deducting cancellations
		nat (105 1105 k   Pittuburuh	6 p	er ct. coup.	XD	ivers		50	58	made previous to samuary 1, 1000.
Alleghany, 6 per ct. ccup	an'y, July Juarterly	55 70 Quincy, 8 p. 100 Racine, 7 p.	er c	t. coup 1878	X 10	). Feb'y, A	l gg	82%	65 80	The traffic of the Great Western Railway of
Boston, 6 per ct. coup.	pril Octo	ber 100 x 101 Rochester,	6 pe	er cent. coup ct. coup Long	X D	ivers		90 85	97 M	Canada, for the week ending 28th of Jan'y, 1859,
Brooklyn, 6 per ct. coup. Long A	Do do	100 103 Do.	do.	Municipal p.ct. cp. 1862-74	X	Do		87	87	was as follows:
Oincinnati, 6 Ser Ct. Coup.	Lanks Tub		p.e	p.ct. cp. 1862-774 cp.1865.pav.N. V	X	Do	mb.	60	45 70	Passengers
Do. 7 per et. coup 1880 A	an'y, Jul	y 98 99 x Do. 10	p.	et. cp1871	X	Do, de	0	89	91	Mails and sundries
Detroit, 7 per ct. cp. www.1073-78 X	March, Se	rust. 100 102 Dc 10	per	cp.1865,pay.N.Y. ct. cp1871 o. pay. N. Y ct.pay.N.Y.1876	X	Do. de	0,00	66	60	THE RESERVE OF THE PARTY OF THE
Detroit, per ct. cp	Jan'y, July Divers	72 78 Wheeling,	pe	r ct. coup. et cp. Mun1874	X	erch. Sen	1	80	50 81	Total\$27,867 15
Memphis, 6 per ct. coup1882 X	an'y July	65 65% Zeresville,	7	do	X A	pril, Qoto	ner	-		Corresponding week, 1858 88,991 46
										Control of the Contro

Per ct 110 x 102 x

The state of the s	
The following figures show the receipts of	the
Long Island Railroad for January, 1859: Passengers	00
Freight 9,115	
Mail 685	
Total\$20,148	8;
January, 1858 18,113	
Increase\$2,034	_
The receipts of the New York and New Ha	
The receipts of the New York and New Har Railroad for January, 1859, were as follows:	vei.
Passengers \$71,115	35
Freight 13,000	00
Total	
Total	16 87
The state of the s	_
The receipts of the Grand Trunk Railway	
The receipts of the Grand Trunk Railway Canada for the week ending January	0:
22, were	58
Week ending January 23, 1858 41,911	55
Decrease\$1,979	02
Total traffic from July 1st \$1,285,106	75
Same period last year	72
Decrease	_
The following is a comparative statement of	
earnings of the Little Miami and Columbus a	
Xenia Railroad for Jan.:	
1859	45
1858	_
Gain\$15,213	
This does not include the receipts from the D	
ton, Xenia and Belpre Railroad Co., now work by the Little Miami Co.	teu
The business of the Michigan Southern road	in
Tonnery was .	
January, 1858 \$106,737	18
January, 1859 104,179	19
Decrease \$2,557	
The earnings of the Galena and Chicago Ra	
road Company for January were:	
1858. 1859. Decrea Freight\$55,225 09 \$38,085 25 \$17,139	18e.
Passengers . 26,866 59 23.171 33 3,595	26
Mails, &c 3,328 26 3,000 00 328	
Total \$35,319 94 \$63,256 58 \$21,063	56
Corrected earn's for the previous month. \$87,082	22
The earnings of the Cincinnati, Hamilton a	ınd
Dayton Railroad Co. were: January, 1859\$42,649	79
January, 1859	11
Increase \$5,046	
This Company have paid off their floating de	ebt
in full from the earnings of the road, and expect	
be able to resume cash dividends by April next The following are the earnings of the Nor	
Pennsylvania Railroad :	l'un
For January, 1859\$22,802	07
For January, 1859	86
Increase \$3,603	21
The earnings of the first two months of the	fis-
cal year were	38 94
Increase \$7,406	
The Hudson River Company earned in Janua	iry
The state of the s	

\$192,161 against \$176,572 same month last year-

were \$493,000, showing a large nominal falling off which it is directed. some \$130,000.

The January earnings of the Chicago and Fond lu Lac road, were \$18,568 51, against \$20,446 82 in January, 1858, and \$15,790 75 in January, 1857.

#### American Railroad Journal.

Saturday, February 12, 1859.

Delano's New Method of Burning Coal. We had an opportunity, last week, of visiting Messrs. Corning & Winslow's iron works, at Troy, in company with a party of iron manufacturers, for the purpose of witnessing the working of Delano's improved method of burning coal.

Without describing the manner in which he introduces the coal into the furnace or combustion chamber, we will merely say that it is supplied from beneath, by a very simple and effective contrivance. Assuming this part to be accomplished, the following are some of the advantages that have been always predicated of such an improvement, but which has never been successfully effected, until the use of Mr. Delano's contrivance.

The first thing gained by this mode of feeding. is the combustion of the gaseous matter which all coal contains, which we will assume to be 20 per cent, of their heating or evaporating power. To burn these gases, great heat, and a free supply of oxygen, are necessary. In the ordinary mode of feeding upon the top, these conditions can only partially concur. In supplying the raw coal, it is necessarily thrown with considerable force upon the ignited mass, packing it to a greater or less extent, thereby cutting off the free supply of air. Just in proportion as this is shut off, is combustion imperfect. In supplying raw coal in any manner to a fire, the first process is a distillation of its gases. The carbon which may be said to form the basis of the coal, cannot be brought into a high state of combustion till these are completely expelled. The fact may be familiarly illustrated by reference to the experience of any person who uses a furnace in warming his house. On the supply of new coal, a free draft must be allowed through the smoke-pipe, or the inmates will almost instantly be choked with coal gas. Very little heat results, or in other words, only partial combustion takes place till the gases are expelled. This is not thoroughly accomplished till the whole mass is brought to a white heat. The draft may be then shut or checked with impunity.

The gases thrown off, and which are so offensive when allowed to find their way into the house, are well known to be highly combustible. Could they be burnt, or, to state the process in a different manner, could they be decomposed into their constituents, and allowed to form new combinations, they would be not only innocuous, but the whole power of the coal would be utilized. This statement, however, does not express the entire loss from the non-consumption of the gases. The process of distillation or evaporization is well known to be the most cooling in nature, as any one can readily demonstrate by dropping a little ether into his open hand. The first duty the fire beneath the raw coal is called upon to perform, is to distil it. The next to expel the product in

The gross receipts of the Erie road in January manner, and diverts so much from the object to

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Now it is easy to see that this waste might, to a considerable extent, be saved, if coal could be supplied to a fire from beneath. By this process the grate would be kept clean, and allow the free passage of air. The gases evolved would ascend with the air, through the super-incumbent mass of intensely ignited carbon, and the conditions requisite to the perfect combustion of the gases-a high degree of heat and an abundant supply of oxygen-would meet. They are fully supplied by Mr. Delano's improvement, as a slight inspection of its working demonstrates. Assuming, therefore, that he does accomplish the result claimed, a result better by 20 or 30 per cent, than the ordinary one of feeding upon, instead of underneath, the burning mass, is secured. In the old process, constant attention and labor is required to keep the grate bars and fire sufficiently clean to allow combustion to proceed at all. In puddling furnaces and in steamships, the fire has to be drawn every given number of hours, for the purpose of removing the cinders and earthy matter that have accumulated. All the incombustible matter the coal contains, settles upon the grate, and unless removed, would soon form a compact and impervious bed. But by feeding from beneath, all this foreign matter very soon ascends to the surface of the fire, whence it can be readily drawn. The body of the fire never has an amount of cinder or ashes mixed with it, sufficient to check free combustion. By Mr. Delano's process, a fire may be continued uninterruptedly for six months, if desirable. The owners of puddling furnaces and rolling mills will readily appreciate this advantage. Such is the result obtained at Messrs, Corning & Winslow's works. The fires are at all times in good order, always in condition for the most effective duty required of them. Two additional heats, therefore, are obtained every 24 hours, increasing the daily product over the old process some 20 per

Another advantage gained in the Eastern States by the use of Delano's improvement, is the substitution of anthracite for bituminous coal. The former, we believe, is preferred at the works of Messrs. C. & W., at the same price for the two. To most of the iron establishments in the Eastern States anthracite comes all the way from one to two dollars cheaper than bituminous. We are informed that at the works referred to, a careful comparison of the product of furnaces working with bituminous coal on the old plan, and with anthracite coal with Mr. Delano's improvement, showed a saving equal to 2.80 per ton in favor of the latter in the cost of coal alone.

Another advantage claimed and admitted to a certain extent, is the superior quality of the iron produced. One of the difficulties in using anthracite in the ordinary way, is the scaling of the coal when first thrown upon the fire. The scales are taken up by the draft, and carried into the puddling chamber, and mix with the melted iron, and, of course, affecting its purity. By Delano's process this is entirely prevented. In his furnace the raw, or black coal, never finds its way to the top of the fire. The heat descends to it so slowly that it does not fly or disentegrate. The mass, or vapor, These duties consume a certain portion lump fed, preserves its form, and does not get to of the effective power of coal fed in the ordinary the top of the fire till thoroughly ignited. The

fire, consequently, always works clean, and very little enters the puddling or heating chamber, but the pure caloric, which is the only agent required in the manufacture of iron-all other ingredients brought by the blast into contact with the iron being positively injurious.

Such are some of the advantages that seem inferable from the successful application of any process that supplies coal from beneath. We believe the result on Messrs, Corning & Winslow's works have demonstrated that all of them have been obtained by the use of Mr. Delano's contrivance. These gentlemen have nine fires at work with it, and are introducing it upon others as fast possible. We believe we may say that the result obtained has not only far exceeded their expectations, but that it gives entire satisfaction. We think we may safely say that the introduction of this improvement constitutes an era in the history of the iron manufacture, as it is equally useful with bituminous as with anthracite. It is very easily applied, the whole apparatus being composed of cast iron, and costing for the largest class furnaces, not over \$100. A model drawn to a scale may be seen at the office of the JOURNAL, and further information obtained by addressing Mr. Delano, either at this city, or Syracuse, in this State.

The Commercial Bearings of the Treaty between "the Four Great East and West Lines."

It is well known that the N. Y. Central, Erie, Pennsylvania, and Baltimore and Ohio Railroads, have mutually entered into agreements to charge uniform rates between Boston and New York, and all points in the Western States. Without discussing the wisdom of such an agreement in the abstract, it certainly threatens to work great mischief to the trade of these cities. The four roads, for instance, charge the same rates on merchandise taken over either of them, or the lines of which they are a part, between New York and Indianapolis; but the Pennsylvania Company is the sole judge of what it shall charge between Philadelphia and Indianapolis. The difference in the rates between this point, and Philadelphia and New York, is just so much discrimination against for each line. the merchants of the latter city.

Such discrimination is now being made use of with great effect against its trade. Whatever effect it may have, it is well calculated to create a widespread discontent among our own merchants. But if it be injurious to them, it is equally so to the New York roads. If a premium be offered to the Philadelphia merchants, equal to the difference in the cost of transportation, an equal premium is offered to the Philadelphia road. Only place the rates from New York sufficiently high, and its merchants and roads would be without any business, as far as the West is concerned. When a compact like the one referred to borders so nearly on the absurd, there will be likely to be some fallacy in it, however applied.

Competition for business may be a very bad thing, but it will always be found difficult to prevent it by compacts, where a large number of roads compete. They are impossible among merchants and carriers, generally. Merchants thrive by reducing expenses when business is dull. The action and necessity of one can be no rule for an-

Each goes on its own hook. It would be one of the most fatal things in the world should they enter into an agreement that for any article manufactured, a stipulated price should be asked. It would be the stepping-stone to indolence, prodigality and unthrift. Under such an agreement, there would be an end to all progress and enterprise. Yet manufacturers prosper without seeking to protect themselves against each others' imprudence and necessities.

But if competition is to be avoided by compacts, we certainly think that these should be between companies that are strictly rivals, as are the New York Central and Eric. To these the Baltimore and Ohio, and Pennsylvania Railroads, are rivals only to a very limited extent. But if the latter choose to come here, and bid for our trade, all the better for our city. This is to be regarded as well as our railroads. But admitting all to be rivals of each other, the better way in the end will be to leave each company to follow out its own policy. None of them will, in the long run, do business at a loss. If they have sense enough to make contracts with other, to keep rates at a living point, they will soon discover sense enough to act up to such a standard without such contract. If managers can be trusted in one case, they can in the other. By leaving each company free, this will be the result in the end-fair rates of charges, founded on experience of what it should be, to be remunerative. This is the necessary standard to which all must come at last. It is the natural one. A costly experience may be necessary to establish it: but the sooner the experience be entered upon the better. Artificial standards, having no reference to the absolute cost of transportation, are just like false principles, and not only must be abandoned in the end, but are mischievous while in practice. It is simply putting all roads on the same footing, making the strong carry the weak. But if a road have no inherent strength of its own, it ought to go down, and not, like a drone, be a needless tax upon public industry. Let each road act in view of its own necessities and strength, and it will not be long before a policy will develop itself, which will produce the best possible result

#### London Correspondence.

26, THROGMORTON STREET, London, 21st January, 1859. To the Editor of the Am. RAILROAD JOURNAL.

SIR-You will see by the London daily papers that our political horizon is greatly overcast, but as the Austrian Government has wisely deferred to the opinions of other European Councils, in one important event, and there can be little sympathy between a liberal constitution and the Emperor of the French, Austria will probably retain her influence and power in Italy; at least for the present. Yet the uncertainty as to the result has had a great effect upon the English Money Market, and has checked the improving enquiry for good investments-paying a fair rate of interest, which was noticed upon the reduction of the Bank rate of interest. Sound American Securities were receiving a fair share of attention; and but for the depreciated price of Illinois Central Securities. some of the United States Railway Bonds would from the road had been sold; so that the unsold have materially advanced. The British public does not understand American Railways, nor does other. It is so with manufacturing establishments. it seek to form an opinion founded only upon sim- 1857, as compared with 1856, presents most favor-

ple truths. The opinion of any great talker is readily adopted, and great talkers being seldom deep thinkers, a superficial knowledge is all that is obtained. Another Illinois Central, or Grand Trunk of Canada Railway may be introduced, and as eagerly supported and as generally condemned, as the Illinois Central with its extensive land grant has been, within the past two years. Who, with any sound knowledge of the character of the Illinois Central Railway, could have felt satisfied in recommending the purchase of the company's shares, when the Directors were carrying a floating debt of over \$3,000,000, and received but an insignificant amount from sales of land, and when it was known there must be an annual loss in working the line, assuming interest to be a charge upon that working, and when a large amount of money had to be provided to complete the road. Yet, then, the shares were eagerly sought for at over 30 premium. Now, the true position of the company is making itself known, and the stockjobbing scheme of creating new shares for increasing the payment of the higher call is better understood. Yet there is lesser difference in the financial position of the company. The floating debt, which, one day or another, must be paid, has been paid, and the interest saved ;the completion of the road, which was indispensable, has progressed, and the receipts from land sales appear to have equaled 50 per cent, of the amount due, which, in the opinion of many well informed persons, is as much as might have been expected, considering the nature of many of the early sales. Only one unforseen event has occurred, and that was the crisis of 1857; but as its effect cannot have reduced the estimated improving traffic, or prevented payment of bills for land more than equal to the sum received, it cannot be supposed that if such an event had not occurred, the traffic of 1857 and 1858 would have netted \$3,-000,000 more than has been realized; or that the Land Notes would have produced more than an additional \$1,500,000; and yet the differences in the present market value of the share capital of the company, as compared with the selling price of the shares in March, 1857,—about the time when 1856 report was issued,-is over \$64 per share, and that upon 255,000 shares is more than \$16,000,000.

I am aware of using the increasing capital for estimating the total difference, but assumed the decrease of shares would be greater if a smaller number had been affected by pressure of sales. Either the high premium or the heavy discount must be wrong. The premium was not justifiable in connection with the financial position of the Company at that time, and the present discount indicates a want of knowledge of the prospects of the Company, as indicated by the most reliable reports. On Wednesday last I read a paper before a meeting of shareholders of this Company, showing that the cost of the road had not been excessive, although I fear it is at present far from completed for a heavy traffic; particularly from want of ballast;-that, provided the later sales of land have averaged, in locality, the sales up to 1st April, 1857, the sales of land were extremely satisfactory, as a fair proportion of out-lying lands land may be expected to realize a return equal to that for the lands sold; and that the traffic of

able features, particularly in those sections in the full complement of lands was obtained; and and improvement of the road, the following which the Company has the greatest quantity of these are of the most fertile description, remarkland. This undertaking is a land scheme, and one ably favorably situated. not of the very highest order; or the lands near to and along the Main line, would not have been excluded from the grant to the Company. It was doubtless pre-empted when the authorities made over the number of acres required by the charter, but how much earlier? It must have been an ill-judged design to project a line through pre-occupied land, when, from the sale of the lands through which the line was to pass, the cost of building the road was to be obtained; or the line was projected to further the view of speculation in land which, in knowledge of its location, had been already secured. Yet the land the Company has is valuable, and as the bonded debt of the Company could be supported by a call of \$5 per share per annum, if all shareholders paid up, the future prospect of the road is of a higher value than that indicated by the price of the shares, provided we have faithful reports; and upon analysis, they appear to be correct.

The London committee of shareholders are reported to have borrowed £150,000 for one year, at 7 per cent. commission; but had they made a call, the value of the shares would probably have advanced. The loan being made known, they declined in value.

The market for American securities is very quiet; the depositors in the Joint Stock Banks are growing tired of the low rate of interest they obtain, but American securities are not obtaining even a fair share. State Stocks are more in request than the best of railroad bonds; and in shares there is a far greater disposition to sell than to buy, the only exception being in favor of New York Central. Six per cent. United States Bonds are 100a102, and the five per cent. bonds 941a95; Maryland 5 per cent. sterling bonds are quoted 95a97; Ohio 5 per cent. stock, 95a97; Pennsylvania 5 per cent. bonds, 85a86 ex-coupons. Virginia 6 per cents, 84a86. In Railway bonds, Illinois Freelands have advanced 1 per cent.-they are 81a83; and Michigan Central bonds are firmer, without much doing in them; the 1860 and 1869 are 85a87; Michigan Southern sinking fund bonds are 65a70; New York 7 per cents. continue 93a95; sinking fund bonds, 90a92; Erie 3d mortgages have been done at 70, and are quoted 69a 71: Pennsylvania Central 1st mortgages are 90a 92; 2d mortgage sterling, 92a94; Philadelphia and Reading 1st, 86a88; 2d, 76a78. The quotations for shares are as follows:--Illinois Central, 35a33; Michigan Central, 45a50; Michigan Southern, 20a25; New York Central, 79a80; New York and Erie, 15a17; Pennsylvania Central, 38a40; Philadelphia Reading, 28a25; Consols close at Yours truly, &c., 951af. WILLIAM LANCE.

In speaking of the land grant of the above road, our correspondent makes a mistake, which we will correct. The general government granted to the read one half of all the unsold lands within 15 miles of the road. The Company adopted, as far as possible, the route that could give them the greatest amount of land. A considerable portion of the public lands in the State had been sold before the grant to the Company was made. If the scheme is a land speculation, it is of the highest

#### Railroads in the United Kingdom.

The number of miles of railroad in operation in the United Kingdom, on the first day of January, 1859, from which returns were received, were 9,016. The total gross earnings for the past seven years have been as follows:

Years.	Mileage.	Earnings.
1852	6,915	£15,150,310
11853	6.944	16,845,531
1854	7.308	18,541,855
11855	7.692	20,243,151
11856	8.404	22,493,601
11857	8 676	20,682,465
1858	9,016	23,263,764
m		

To the above mileage should be added 552 miles of road from which no returns were published. The cost of the 9,016 miles of road was £306,950,-000; of the 552 miles, £9,900,000—making a total of £315,950,000, equal to \$1,529,198,000.

#### Northern Central Railroad.

The annual meeting of the stockholders in this road was held in Baltimore on the 2nd inst. The fourth annual report of the Company was presented by the President, ZENUS BARNUM, Esq. From this we learn that the receipts from operations of the road for the fiscal year ending December 31st, were :

From Passengers .....\$212,912 08

3	" Freight	575,004	34
	" Mails, etc	27,456	
		815,373	38
•	And the working expenses were:		
)	Transportation expenses. \$230,863 53		
l	Ranging of cars 94 869 52		
f	Do. engines 39,316 31		
	Do. machinery 20,647 06		
	Do road 76 072 15		
	1 Do. bridges 5.494 07		
	Do. engine and sta-		
,	tion houses,		
	etc 3,981 39		
•	Salaries 10,519 70		

		Net revenue \$392,551	4
1	o which		

422,821 94

General expenses ...... 11,064 20

Int. on bds. of	W.	Y. &	G.R.	R.3,195	00		
" debt	66		44				
Div. on stock	"		44	,3,490	30		
					_	8,654	49

		-		_
		-	401,205	13
Less disbursements, viz	:			
Int. on Co's bonded debt.		00		
Interest on bonds and debt				
of W. Y. & G. R. R	5,964	39		
Dividends on stock, do	6,975	10		
Sinking fund for do	8,896	42		
Accidents, etc	8,041	34		
			211 992	25

Leaving as surplus profits ..... \$89,213 88 The receipts of the road show an increase of \$79,068 23 as compared with the previous year .-This increase is altogether attributable to the facilities offered to trade and travel, by the opening of the road to Sunbury, while the working expenses of the road for the same period are at the rate of 51.85 per cent, on the gross income, showing a decrease of 9.43 per cent. as compared with those of the past year.

The balance sheet shows that the company has order, when compared with similar schemes, as expended during the past year for the completion Company's wharves; and it is confidently be-

Fo	completion of road	\$565,485	21
66	rolling stock	115,654	22
46	real estate at Sunbury	1,500	00
66	sinking fund Wrightsville road	17,000	00

Total. .... \$719,639 43 Darived from the following sour

Delived from the following sources.		
		51
Decrease of funds	16,141	02
" investments	21,436	09
" materials on hand	2.861	02
Surplus revenue	89,243	88
	Loan No. 7, issued during the year Increase of outstanding liabilities Decrease of funds investments materials on hand	Loan No. 7, issued during the year \$458,500         Increase of outstanding liabilities 121,487         Decrease of funds 16,141         investments 21,436         materials on hand 2,861

\$719,639 43

The work of constructing the Sunbury and Erie Railroad to the city of Erie is now progressing rapidly. The President of that company gives assurance of their ability to open the entire line from Sunbury to Erie in about twenty months, and that ample means are in hand to accomplish so desirable a result. When this event takes place an entire new source of revenue will be added to the receipts of this company from the trade of the lakes, and the vast country which that work will open up to commerce-a country rich in minerals and the products of the forest, and which must find their outlet through this road to Baltimore and Philadelphia, diverging at Harrisburg over the Reading and Pennsylvania Railroads, to the latter city.

The importance of a perfect system of telegraph on the line of a railroad, is no longer a question of doubt. Thus impressed, the Board authorized the construction of a line from Bridgeport to Sunbury, which will be completed by the first of March. This, working in connection with the line in operation from the former point to Baltimore, gives the company all the telegraphic facilities required.

Since the organization of this company, a period of four years, no accident has occurred whereby a passenger has lost his life, nor has any passenger suffered an injury. not attributable to his own negligence.

The President states that the obstacles to the completion of the Canton Division of the road passing to tidewater will be shortly removed, so far as the grades of the street are concerned. The Mayor of the city has taken such steps as must bring the difficulties to a successful conclusion. and that too without compromising the interests of the city or the rights of the company. The Philadelphia Turnpike Road claimed \$20,000 damages for permission to the railroad to cross the turnpike below Canton, and subsequently the claim was increased to \$45,000. A jury of condemnation fixed the damages at \$3,500; this sum was offered but declined by the turnpike company. In the meantime measures were adopted for the completion of the wharves at Canton, and that part of the track adjacent thereto, in order to connect the same with the Philadelphia, Wilmington and Baltimore Railroad, and with the company's city track, and thus secure an outlet for coal, so important to both the city and the company.

The work connected with, and necessary to perfect this substitute, will be finished in a few days, when cars can be run daily from the mines to the of coal from the port of Baltimore may be then realized, equal to 200,000 tons per annum. It is proper here to state that this desirable result gines, 213 coal, 39 freight, 5 passenger, 2 baggage, could not have been accomplished but for the liberal spirit of accommodation manifested by Samuel M. Felton, Esq., the President of the Philadelphia, Wilmington and Baltimore Railroad Company.

The Board are of the opinion that this temporary expedient will be ample to accommodate the coal trade, which may be offered for shipment during the year.

The necessity of diverting a portion of the funds applicable to the sinking funds, in order to extend the road to Sunbury, is regarded as having been essential to the interests of the company and the city, but when the revenues become sufficient the punctual contribution to these funds should be considered as a charge npon the annual expenditures of the company, to be paid in advance of any dividend of the profits of each year.

The Board congratulate the citizens of Baltimore and the stockholders of the company, on the completion of their road to Sunbury. This was accomplished on the 1st of August. 1858, when trains were regularly run from the coal regions of Pennsylvania to Baltimore, and from Baltimore, in connection with existing roads, to the Lakes.

The report concludes with the following expression of opinion as to the future prospects of the company:

The commercial and manufacturing advantages to be ol tained through the medium of this road are incalculable, requiring only an application of the energy and capital of our citizens to be en-

joyed. The prospects of the future may be fairly drawn from the success which has attended the management of the road for the last three years. ing on this and the probable receipts which are to be derived from the extension of your road to Sunbury, estimated by the Chief Engineer, in his report to the President and Directors of the Susquehanna Railroad Company, as likely to reach the sum of \$813,000, which, added to the existing rev-enue on the line from Harrisburg to Baltimore, sustained by the restoration of the internal commerce and manufacturing pursuits of the country, indispensable, to the success of the work, the Board feel no hesitation in re-assurring the stockholders that all these just expectations may be fully realized, under a wise and economical management of their property.

The company now own 42 engines; 26 passen ger; 3 excursion; 9 baggage; 789 coal, and 811 freight cars.

The number of miles run by all the engines during the year was 606,482, at a cost of 6.48 cts-

The receipts per mile run for tonnage between Baltimore and Sunbury amounts to 1.62 cts., from passengers to 1,06 cts.

The tonnage of merchandise in 1858 was 268,-704; in 1857, 288,262—decrease 19,558 tons.

Tee number of tons of coal carried in 1858 was 165,153; in 1857; 110,319-increase 54,834.

The number of passengers carried in 1858 was 278,832; in 1857, 228,254-increase 50,577.

The gross receipts from burden transportation in 1858, \$575,004 34; in 1857, \$533,761 06-increase

The gross receipts from passenger transportation

lieved a capacity for transportation and shipment in 1858, \$235,599 58: in 1857, \$197,774 63-increase, \$37,824 95.

There have been added during the year, 8 en-10 gondola and 6 lumber track cars.

#### CONDENSED BALANCE SHEET.

CONDENSED BALANCE SHE	BT.	
Resources:		
Cost of road and appurtances	6,893,457	39
Cash and cash items	95,257	84
Bonds of the W. Y. & G. R. R. Co	62,000	00
Debt of the " "	81,662	20
Bonds of the W. Y. & G. R. R. Co Debt of the "" Stock in "3,173 shs	125,765	
Stock in Northern Central Railway		
Co., 4.848 shares	242,400	00
Co., 4,848 shares Bonds of the Susq. and Tide-Water		
Canal Co	537	00
Sinking Fund for Loan of \$150,000-		
No. 1	43,555	00
No. 1 Sinking Fund for Loan of \$2,500,000		
-No. 7	31,234	99
-No. 7 Sinking Fund for the W. Y. & G. R.		
R. Co	38,000	00
Materials on hand	69,964	49
		_
	\$8,681,556	88
Liabilities:		
Capital Stock	\$2,260,000	00
Loans secured by mortgage:		
No. 1. Coupon Bonds of the late Balt.		
& Susq. R.R.Co., issued for rolling		
stock, redeemable 1st. Oct., 1866.		
Interest payable quarterly	150,000	00
No. 2. Loan from the State of Mary-		
land in lieu of previous loans to the		
B. & S. R. R. Co. Interest quar-		
B. & S. R. R. Co. Interest quarterly  No. 3. 1st mortgage coupon bonds	150,000	00
No. 3. 1st mortgage conpon bonds	,	-
of the late Y. & C. R. R. Co., is-		
sued for the completion of the road,		
redeemable 1st of May, 1870. In-	10075	
terest semi-annually	175,000	00
No. 4. 2d mortgage coupon bonds of		-
the late Y. &. C. R. R. Co., issued		
to contractors for the completion of		
the road, redeemable 7th Jan. 1871.		
Interest semi-annually	25,000	00
Interest semi-annually		
R. Co., i sued in aid of the Susq.		
R. R. Co., and guaranteed by the		
city of Baltimore, redeemable 1st		
Jan. 1877. Interest semi-annually.	500,000	00
No. 6. Contract bonds of the N. C.		-
R. R. Co., issued "for work done		
for the Susq. R. R. Co., prior to		
9th Dec., 1854," redeemable 16th		
Jan., 1875. Interest quarterly.		
Loan \$300 000. Issued	292,300	00
Loan \$300,000. Issued No. 7. Bonds of the N. C. R. R. Co.,	202,000	00
issued for construction of the road		
from Bridgeport to Sunbury and		
Tide-Water, Canton, redeemable		
1st Inly 1885 Interest semi-an-		
1st July, 1885. Interest semi-annually. Loan \$2,500,000. Issued.	1 909 500	00
From city of Baltimore, which, on	1,300,000	vv
completion of the railway, reverts	950 000	00
to this company	850,000	
Outstanding liabilities Profit and loss—surplus profits	655,507	
From and loss-surplus proms	370,249	78
4.00	88,681.556	90
	0,001.000	90

The following gentlemen were elected directors for the ensuing year:

President-John S. Gittings.

Directors-Adam Denmead, William T. Walters, James Frazier, William Devries, J. H. Reiman, Peter Mowell, William D. Miller, W. E. Maybew, Amos E. Kapp, Simon Cameron, Alex. Small, Wm. Colder, Jr.

Directors on the part of the City-Aaron Hoff man, Chas. Geo. Ridgely.

General Sup't and Engineer-A. B. Warford. Treasurer-J. S. Leib.

The Delaware Lettery Bill.

This bill passed the Senate on the 26th by a vote of five to four, having previously passed the the House by ayes twelve, nays eleven, a majority of one in each house. It goes into immediate effect, and grants to Richard France, Esq., of Baltimore, the privilege of drawing lotteries and selling lottery tickets in that State for the period of twenty years, in consideration of which he is to pay a bonus of \$27,000, to be devoted to building railroads, churches, school houses, water works, &c., in the State.

The bill also contains the following appropriations:—\$106,000 to the extension of the Delaware Railroad; \$114,000 to the Maryland and Delaware Railroad; \$74,000 to the Mispillion and Choptank Railroad; \$48,000 to the Frederica Railroad; \$276,000 to the Junction and Breakwater Railroad; \$10,000 to the Murderkiln Navigation Company; \$10,000 for an Academy at Felton; \$10,-000 to improve Duck creek; \$10,000 to stop the mouth of old Duck creek; \$10,000 to improve Leipsic creek; \$2,000 for an academy at Concord \$5,000 for a granary at Townsend station; \$4,000 for a Methodist Protestant church at Townsend; \$11,000 for the school districts of Appoquinimink Hundred; \$3,000 for fencing the Delware Railroad in Newcastle county, and \$27,000 to build a court house at Newcastle.

Dayton and Michigan Railroad.

The prospects of this road are now in a very flattering condition. This connection is now the only one required to make our Railway system complete. The Michigan Southern Company have agreed to take \$150,000 of its bonds, to be paid out of the earnings of the road after its com-The Cincinnati Gazette also gives us some gratifying information. That paper says the Board of Directors of the Cincinnati, Hamilton and Dayton Company have also agreed to take \$300,000 of the bonds—on the same terms—subject, however, to the action of the stockholders.
The latter will undoubtedly confirm the arrangement, as it will require no expenditure of money on the part of the company. The bonds thus to be negotiated, will be available for the purchase of iron, and their redemption will be provided for by setting apart a portion of the earnings from the new business thrown on to the C. H. & D. Road, by the opening of the Dayton and Michigan Road to Toledo, where it will connect with the road now in operation from Toledo to Detroit. The means thus to be provided will enable the D. & M. Co. to finish their road at an early day, opening a direct line between Cincinnati and Detroit,—Detroit Tribune.

#### Phonix Iron Works.

This company, who have kept their works in operation during the panic, have 11 steam engines, in the aggregate 10.31 horse power -3 water wheels of 90 horse power, make altogether 1, 21 horse power. They have at the time 54 single puddling furnaces, and foundations for 8 more. 20 heating furnaces; 9 trains of roils, with 20 pair of rolls; 3 rotary squeezers and an alliga-tor. They are prepared to make styles and weights of rails, from 20 pounds to 75 pounds per yard. Girders for houses, from 6 inches to 10 inches deep. Round iron from 5-16 to 61/2 inches in diameter. Square iron from 5-16 to 41/2. Flat iron from 5-8 to 11/2 inches wide. Also T, angular and irregulaar shaped iron. In addition to the rolls mentioned in trains, they have at least 200 pairs of rolls on hand ready for use, and make a larger range of sizes, and a greater variety of shapes than is made at any other mill in the United States. The company are now getting housens cast that will weign 7 tons each, for erect ing three high rolls, for making girders, railroad iron, &c. They are also going to enlarge and increase the power of the engines, sufficient to drive the increased power of the works. Independent of the above, the company have three blast jurnaces in successful operation, driven by a powerful engine.—Phaniz. 80 102 974 127 166 14

#### Railroad Dividends.

The Third Avenue Railroad Company has de clared a dividend of \$2 50 per share, payable on the 9th inst.

The New York and New Haven Railroad a dividend of three per cent., payable on the 16th inst. frist.

The Oswego and Syracuse Railroad Company usual half-yearly dividend of four per cent. avable on the 20th inst.

The Pennsylvania Coal Company has declared a semi-annual dividend of 31/2 per cent., payable on the 15th inst.

The New York Central Railroad Co. a semi-annual dividend of 4 per cent. payable on the 21st

#### Insurance Dividends.

The St. Nicholas Insurance Company have declared a semi-annual dividend of five per cent. payable on demand.

The Irving Insurance Company a semi-annual dividend of 7 per cent. payable on demand.

The Northwestern Insurance Company a semiannual dividend of ten per cent., payable on the 15th inst.

The New York Fire and Marine Insurance Company a semi-annual dividend, payable on demand

The Lorillard Fire Insurance Company a semiannual dividend of eight per cent. payable on de-

The Mercantile Mutual Insurance Company, a dividend of 11 per cent., payable on the 14th inst.

The Niagara Insurance Company, 10 per cent. payable on demand.

The Indemnity Fire Insurance Company, a semiannual dividend of 5 per cent. payable on demand.

#### Interest on Bonded Indebtedness.

The Coupons on Clinton County, Ohio, Bonds will be paid by presenting them at the Clinton County Bank, in Wilmington, Ohio, on the first Monday in March, 1859, with current rate of exchange on New York on that day, so far as the funds for that purpose will go.

Holders of the First Mortgage Bonds of the Sackets Harbor and Ellisburg Railroad are informed that the dividend arising from the sale of said railroad, will be paid on demand, upon the presentation and surrender of the Bonds and Coupons to the Trustee at the office of Messrs. Schuchardt & Gebhard, No. 21 Nassau st.

#### Bank Dividends.

The United States Trust Company a semi-annual dividend of three and a-half per cent., payable on the 10th inst.

The City Bank of Brooklyn a semi-annual dividend of three and a-half per cent. payable on the 12th inst.

The Oriental Bank a semi-annual dividend of 31/2 per cent., payable on the 10th inst.

The Citizens' Bank has declared 4 per cent., payable on the 12th inst.

#### Banks of All the States.

The reports of the Banks of the United States made nearest to Jan. 1, 1859, show numbers, specie and circulation as follows:

No.of Bank	ks. Specie.	Circulation.	Deposits.
18541,208		204,689,309	
18551,307	58,944,545	186,952,223	190,400,342
18561,398	59.314.063	195,747,950	212,705,662
18571,416	58,349,838	214,778,822	230,351,352
18581.488		155,208,844	
	102,974,127		

#### Bank of England.

The return from the Bank of England for the the week ending the 19th January, gives the following results, when compared with the previous

Public deposits. £6,260,269 Increase ... £741,527 Decrease .. 777,081 Other deposits . 14,948,727 Rest..... 3,248,430 Increase . 34,329

On the other side of the account:

Gov. Sec'rities. £10,698,807 Unchanged. OtherSecurities.16,507,901 Decrease ...£56,293 Notes unempl'd.12,044,485 Increase .... 88,550

The amount of notes in circulation is £20,991,-185, being an decrease of £88,980; and the stock of bullion in both departments is £19,186,269, showing a decrease of £6,081, when compared with the preceding return.

#### ISSUE DEPARTMENT.

Notes issued ... £33,035,670 Government debt .....£11,015,100 Other securities .....

Gold coin and bullion .... 18,560,670 £33,035,670

#### Mechanics, Manufacturers & Inventors.

THE SCIENTIFIC AMERICAN, a journal of Mechanical Art, Science, and useful information All the prominent inventions are i lustrated with handsome engravings in this paper. Official list of all new patents granted, with the claims published every week. \$2 a year. Sent by mail everywhere. MUNN & Co, publishers, No. 37 Park Row and 145 Nassau st, Park Boildings, N. Y.

#### Notice to Inventors.

ORSON D. MCNN, Solicitor of American and Foreign Patents, No 37 Park Row, and 145 Nassau st., N. Y., Scientific Am rican" office Circulars of advice sent free.

#### Inventors' Patent Agency.

SALEM H. WALES, Solicitor of American and Foreign Patents No. 37 Park Row, and 145 Nassau st., N. Y., at the 'Scientific American' office, Circulars of advice sent tree.

#### Inventors Take Notice.

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the city of New York, will be forwarded by mail upon applica-

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tion.

References.—Messrs. Wm. and Jno. O'Brien, Thos. Denny & Co., Horace Greeley & Co., Cragin & Co., Todd & Co., J. & C. Berrian, Geo. F. Nesbitt & Co. Eugene Plunkett, Eq., (President Excelsior Ins. Co.), John G. Storra, E-q., (President Lenox Ins. Co.), L. G. Irving, Esq., (Secretary Niagara Ins. Co.), Marcus Spring, Esq., Oiver H. Lee, Esq., John H. Griscom, M. D., Rev. Edwin F. Hatfield, D. D., Rev. Theo. L. Cuyler, John Camerden, Esq., Benj. F. Manierre, Rsq., New York, Oits Atlen, Esq., Albanv N. Y. Messrs. Gorham & Co., Providence, R. I.

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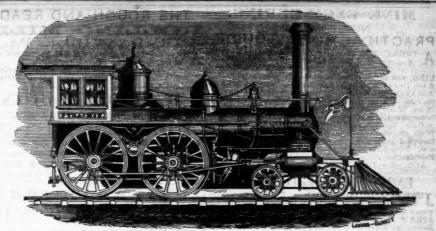
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June 1, 1858.

June 1, 1858.

June 1, 1858.

Dear Sir:—I am able to report that the two BOARDMAN BOILER COAL BURNING ENGINES, the Phoenix and A. O. Zabriskie continue to be operated successfully. The Phoenix, the first introduced, has run 40,602 miles, averaging 6 to 7 heaviy loaded ears and run at a high rate of speed. Average cost per mile 11.2 cents. The A. O. Zabriskie has now run 11,304 miles, all with the heavy Mal Express train, av. rag ng 7 to 8 cars. Average cost per mile 10.1 cents. The Gov. Pennington, first class wood burning engine (the most economical ever run on this load), is running the alternate trips with the A. O. Zabriskie, with the same train of cars. Average cost per mile 19 cents. The entire average cost per mile for the wood eagines, for the year 1857, is 20.1 cents. The average cost of coal engines, thus far 10 6 cepts.

J. H. BOARDMAN, Secretary.

Norm .- In above coal and wood are estimated on the tende at \$ i each.

Mr. J. VAN RENSETAER, formerly executive assistant on this road, says in his certificate, the consumption of smoke and g a is very perfect, and I believe there is less annoyance from cinters than from our wood burning engines. The sage I think has less lateral motion on the track than any other I ever rode on. I have yet to learn that the boiler is more injured than from the use of wood. There has been no difficulty in maintaining from 86 t 100 lbs, of steam, while running our heaviest and fastest mail and express trains."

Boston & Lowell and Spress vans.

Superintendent's Office March 5, 1668

I have been acquainted with the Burdman Coal Burning Locomotive Boiler for the last three years. I consider it superior to any other Coal Burning Locomotive that I is a acquinted with. The one that we have in use has given entire action in all respects. The following is the cuse per mite for running with coal for the months of December, 1857, and Jan y, 1868. The coal costs per 2,240 lbs, on the tender \$4. December costs per mile for firel, 10.61 ce its; January costs per nile for firel, 10.65 ce of the tender that the wood on the tender costs \$5.75 per cord.

JOHN B. WINSLOW, Sup't.

Statements from other Roads show similar

The BOARDMAN BOILER is also used for stationary and steamboat purp ses, showing durability, safety and a saving of 40 to 50 per cent. in fuel. Its expense s no greater than that of other Boilers, and with a brick furnace it is less than that of common Cy inder Boilers.

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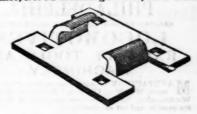
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